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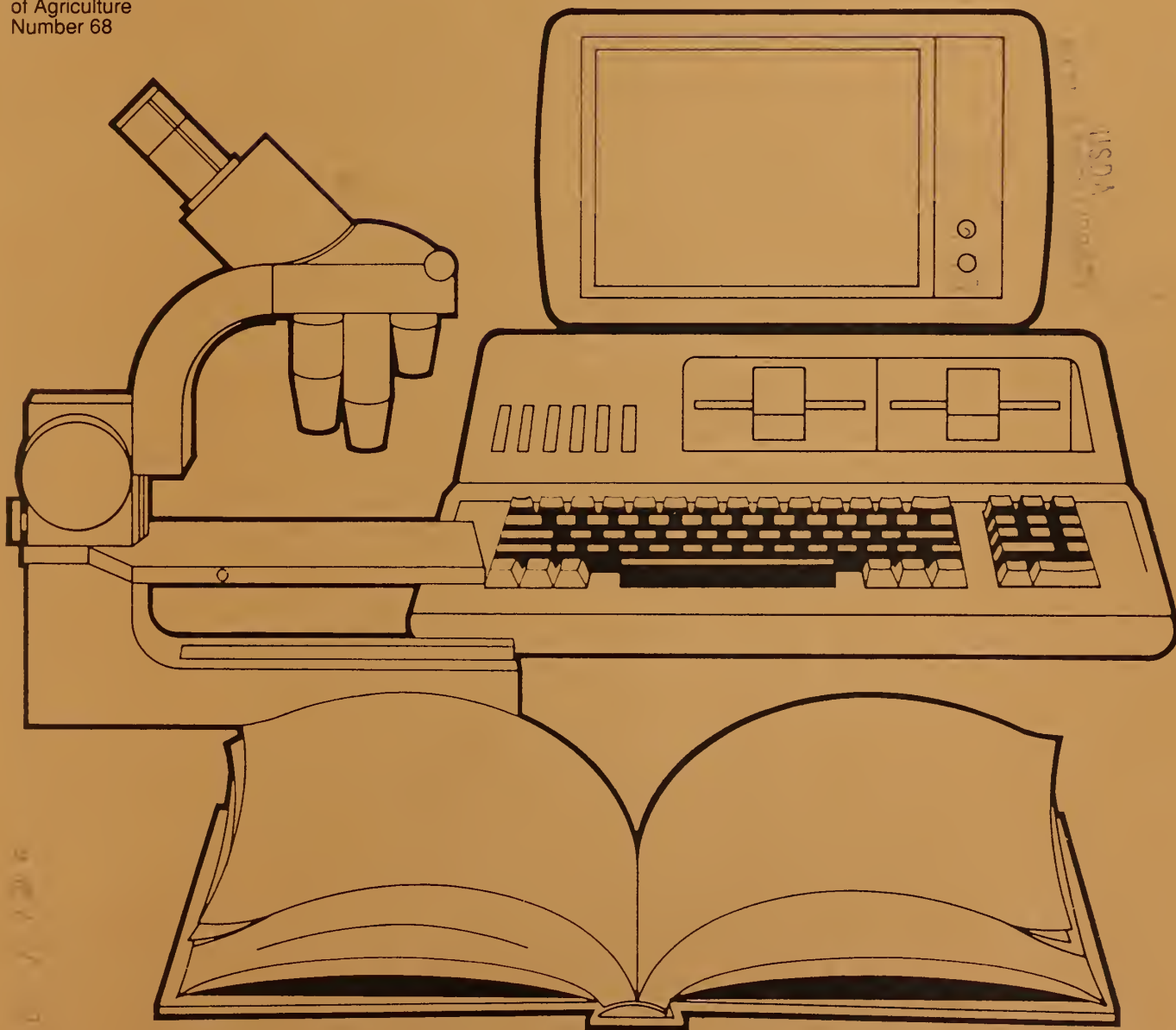
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Bibliographies
and Literature
of Agriculture
Number 68

The Protection of Root Vegetables, January 1979–April 1988

Citations from AGRICOLA Concerning Diseases and Other Environmental Considerations



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September 1988

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Considerations**

**Compiled and Edited by Charles N. Bebee
National Agricultural Library**

FOREWORD

This is the 20th volume in a series of commodity-oriented environmental bibliographies resulting from a memorandum of understanding between the U.S. Department of Agriculture, National Agricultural Library (USDA-NAL), and the U.S. Environmental Protection Agency, Office of Pesticide Programs (EPA-OPP).

This close working relationship between the two agencies will produce a series of bibliographies which will be useful to EPA in the regulation of pesticides, as well as to any researcher in the field of plant or commodity protection. The broad scope of information contained in this series will benefit USDA, EPA, and the agricultural community as a whole.

The sources referenced in these bibliographies include the majority of the latest available information from U.S. publications involving commodity protection throughout the growing and processing stages for each agricultural commodity.

We welcome the opportunity to join this cooperative effort between USDA and EPA in support of the national agricultural community.



JOSEPH H. HOWARD, Director
National Agricultural Library



DOUGLAS D. CAMPT, Director
Office of Pesticide Programs

The citations in this bibliography are selected from works by U.S. authors on the protection of root vegetables. All citations are derived from AGRICOLA (AGRICultural OnLine Access), the database compiled by the National Agricultural Library.

This is the 20th bibliography included in a series jointly sponsored by the National Agricultural Library, U.S. Department of Agriculture (USDA-NAL), and the Science Support Branch, Benefits and Use Division, Office of Pesticide Programs, U.S. Environmental Protection Agency (EPA-OPP). Recent volumes in this series include The Protection of Sugarcane and Sugar Beets. Bibliographies planned for the current year include Plant Growth Regulators, The Protection of Hays, The Protection of Citrus, The Protection of Turf Grasses, The Protection of Leaf Vegetables, and The Protection of Rice.

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Yarger, L.W. Baker, L.R. St. Paul, Minn., American Phytopathological Society. Plant disease. Apr 1981. v. 65 (4). p. 337-339. 16 ref. (NAL Call No.: 1.9 P69P).

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Rufner, R. Barker, A.V.; Boucher, J.P.; Kroll, W.; Hosmer, T.A. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Mar 1984. v. 109 (2). p. 139-144. ill. Includes references. (NAL Call No.: 81 S012).

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PLPHA. Nafziger, E.D. Widholm, J.M.; Steinrucken, H.C.; Killmer, J.L. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. Nov 1984. v. 76 (3). p. 571-574. ill. Includes 19 references. (NAL Call No.: DNAL 450 P692).

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Turnock, W.J. Gerber, G.H. Ottawa. Canadian entomologist. Feb 1979. v. 111 (2). p. 113-125. ill. Bibliography p. 125. (NAL Call No.: 421 C16).

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Appraisal of current strategies for controlling onion maggot (Diptera: Anthomyiidae) in New York State.

JEENAI. Finch, S. Cadoux, M.E.; Eckenrode, C.J.; Spittler, T.D. College Park, Md. : Entomological Society of America. Journal of economic entomology. June 1986. v. 79 (3). p. 736-740. Includes references. (NAL Call No.: DNAL 421 J822).

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Behavioral responses of male turnip moths, *Agrotis segetum*, to sex pheromone in a flight tunnel and in the field.

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Biology and life cycle of *Anaphes sordidatus* (Hymenoptera: Mymaridae), an egg parasitoid of the carrot weevil (Coleoptera: Curculionidae).
EVETEX. Collins, R.D. Grafius, E. College Park, Md. : Entomological Society of America. Environmental entomology. Feb 1986. v. 15 (1). p. 100-105. Includes references. (NAL Call No.: DNAL QL461.E532).

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Biology of a carrot weevil, *Listronotus texanus* (Coleoptera: Curculionidae): range and seasonality of infestations.

JEENAI. Edelson, J.V. College Park, Md. : Entomological Society of America. Journal of economic entomology. Aug 1985. v. 78 (4). p. 895-897. ill. Includes references. (NAL Call No.: DNAL 421 J822).

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Bionomics of the turnip aphid (*Lipaphis erysimi*) on two turnip cultivars.
Kennedy, G.G. Abou-Ghadi, M.F. College Park, Md., Entomological Society of America. Journal of economic entomology. Oct 1979. v. 72 (5). p. 754-757. ill. 5 ref. (NAL Call No.: 421 J822).

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The cabbage maggot (*Hylemya brassicae*) in the home garden (Broccoli, cauliflower, radishes, and rutabagas).

Davidson, R. Antonelli, A. Pullman, The Service. E.M. Washington State University. Cooperative Extension Service. Mar 1979. Mar 1979. (4343). 2 p. ill. (NAL Call No.: 275.29 W27MI).

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WUEXA. Antonelli, A. Davidson, R.M. Jr. Pullman, Wash. : The Service. Extension bulletin - Washington State University, Cooperative Extension Service. Oct 1985. (0859,rev.). 3 p. ill. (NAL Call No.: DNAL 275.29 W27P).

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The carrot rust fly.

Fisher, G. Simko, B. Corvallis, Or., The Service. FS. Oregon State University. Extension Service. Mar 1979. Mar 1979. (245). 2 p. ill. (NAL Call No.: 275.29 OR36).

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The carrot rust fly (*Psila rosae*).

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Carrot rust fly (*Psila rosae*).

Davidson, R. Antonelli, A. Pullman, The Service. E.M. Washington State University. Cooperative Extension Service. May 1979. May 1979. (4365). 2 p. ill. (NAL Call No.: 275.29 W27MI).

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Carrot rust fly (*Psila rosae*).

Davidson, R. Getzin, L. Pullman, Wash., The Service. Extension bulletin - Washington State University, Cooperative Extension Service. July 1981. July 1981. (4365). 2 p. ill. (NAL Call No.: 275.29 W27P).

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Carrot rust fly (*Psila rosae*): monitoring adults to determine whether to apply insecticides (Pesticide residues).

Stevenson, A.B. College Park, Md., Entomological Society of America. Journal of economic entomology. Feb 1981. v. 74 (1). p. 54-57. map. 8 ref. (NAL Call No.: 421 J822).

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Carrot weevil management in Ohio vegetables (*Listronotus oregonensis*).

Simonet, D.E. Wooster, The Center. Ohio report on research and development in agriculture, home economics, and natural resources - Ohio Agricultural Research and Development Center. Nov/Dec 1981. v. 66 (6). p. 83-85. ill. (NAL Call No.: 100 OH35 (3)).

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Cavity spot of carrots caused by feeding of fungus gnat larvae (*Bradysia impatiens*, *aldicarb*).

Hafidh, F.T. JOSH. Kelly, W.C. Alexandria : The Society. Journal of the American Society for Horticultural Science. Nov 1982. v. 107 (6). p. 1177-1181. ill. 19 ref. (NAL Call No.: 81 S012).

0150

Combined residues of dasanit and its three metabolites applied to Japanese radish for control of root maggot in 1977 and 1978 (*Hylemya brassicae*).

George, D.A. College Park : Entomological Society of America. Insecticide and acaricide tests. 1980. v. 5. p. 104. (NAL Call No.: SB950.A1I49).

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Comparison of developmental rate curves applied to egg hatching data of *Entomoscelis americana* Brown (Coleoptera:Chrysomelidae) (Red turnip beetle).

Lamb, R.J. Gerber, G.H.; Atkinson, G.F. College Park, Md. : Entomological Society of America. Environmental entomology. June 1984. v. 13 (3). p. 868-872. Includes references. (NAL Call No.: QL461.E532).

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Control of *Lygus* bugs on carrot seed crops with Temik, 1978.

Halfhill, J.E. Lydin, L.V.; Butt, B.A. College Park : Entomological Society of America. Insecticide and acaricide tests. 1982. v. 7. p. 77-78. (NAL Call No.: SB950.A1I49).

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Halfhill, J.E. Lydin, L.V. College Park : Entomological Society of America. Insecticide and acaricide tests. 1982. v. 7. p. 78. (NAL Call No.: SB950.A1I49).

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Rowe, R.C. OH. Wooster, The Center. Ohio report on research and development in agriculture, home economics, and natural resources. Ohio. Agricultural Research and Development Center. Jan/Feb 1980. v. 65 (1). p. 10-12. ill. (NAL Call No.: 100 OH3S (3)).

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Control of root maggots on Japanese radish in 1977 and 1978 (*Hylemya brassicae*).

Halfhill, J.E. College Park : Entomological Society of America. Insecticide and acaricide tests. 1980. v. 5. p. 104. (NAL Call No.: SB950.A1I49).

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Control of root maggots on turnip in 1977 and 1978 (*Hylemya brassicae*).

Halfhill, J.E. College Park : Entomological Society of America. Insecticide and acaricide tests. 1980. v. 5. p. 114. (NAL Call No.: SB950.A1I49).

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Control of the onion maggot, *Delia antiqua* (Meigen) (Diptera: Anthomyiidae), with furrow treatments.

JEENAI. Ritcey, G. McEwen, F.L. College Park, Md. : Entomological Society of America. Journal of economic entomology. Dec 1984. v. 77 (6). p. 1580-1584. Includes references. (NAL Call No.: DNAL 421 J822).

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Control of the onion thrips /F.H. Chittenden.

Chittenden, F. H. 1858-1929. Washington, D.C. : U.S. Dept. of Agriculture, 1919. Cover title.- "Contribution from the Bureau of Entomology." 16 p. : ill. ; 23 cm. (NAL Call No.: DNAL 1 Ag84F no.1007).

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Courtship and mating behavior of *Anaphes sordidatus* (Hymenoptera: Mymaridae), a parasitoid of the carrot weevil (Coleoptera: Curculionidae).

AESAAI. Collins, R.D. Grafius, E. College Park, Md. : The Society. Annals of the Entomological Society of America. Jan 1986. v. 79 (1). p. 31-33. ill. Includes references. (NAL Call No.: DNAL 420 EN82).

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Damage and control of *Thrips tabaci* Lindeman on spring onions.

JRGVA. Royer, T.A. Edelson, J.V.; Cartwright, B. Weslaco : The Society. Journal of the Rio Grande Valley Horticultural Society. 1986. v. 39. p. 69-74. Includes references. (NAL Call No.: DNAL 81 L95).

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Detection and control of carrot weevil (*Listronotus oregonensis*, pest of celery and carrots in Michigan).

Grafius, E. MUCBA. Otto, M.; Collins, B. East Lansing : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. Apr 1983. Apr 1983. (890). 2 p. ill. Includes references. (NAL Call No.: 275.29 M58B).

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Development and use of a dynamic sequential sampling program for onion thrips, *Thrips tabaci* (Thysanoptera: Thripidae), on onions.

JEENAI. Shelton, A.M. Nyrop, J.P.; North, R.C.; Petzoldt, C.; Foster, R. College Park, Md. : Entomological Society of America. Journal of economic entomology. Oct 1987. v. 80 (5). p. 1051-1056. Includes references. (NAL Call No.: 1051-1056).

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Disappearance of acephate residues from beans, carrots, celery, lettuce, peppers, potatoes, strawberries, and tomatoes.
Frank, R. Ritchey, G.; Braun, H.E.; McEwen, F.L. College Park, Md. : Entomological Society of America. Journal of economic entomology. Oct 1984. v. 77 (5). p. 1110-1115. Includes 12 references. (NAL Call No.: 421 J822).

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Dispersion of marked-released *Hylemya antiqua* (Meigen) (Diptera: Anthomyiidae) in an onion field.
Vernon, R.S. EVETB. Borden, J.H. College Park : Entomological Society of America. Environmental entomology. June 1983. v. 12 (3). p. 646-649. Includes references. (NAL Call No.: QL461.E532).

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JEENAI. Edelson, J.V. Cartwright, B.; Royer, T.A. College Park, Md. : Entomological Society of America. Journal of economic entomology. Apr 1986. v. 79 (2). p. 502-505. Includes references. (NAL Call No.: DNAL 421 J822).

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The distribution of carrot fly (*Psila rosae*) in relation to the flora of field boundaries.
Wainhouse, D. Coaker, T.H. Boston, Pitman Advanced Publishing Program. Proceedings ... Pest, pathogens, and vegetations. 1980 (pub. 1981). 1980 (pub. 1981). p. 263-272. ill. Includes 2 p. ref. (NAL Call No.: SB599.2.P47).

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***Dyscinetus morator* (Coleoptera: Scarabaeidae) as a pest of carrots and radishes in Florida.**
FETMA. Foster, R.E. Smith, J.P.; Cherry, R.H.; Hall, D.G. Gainesville, Fla. : Florida Entomological Society. Florida entomologist. June 1986. v. 69 (2). p. 431-432. Includes references. (NAL Call No.: DNAL 420 F662).

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JEENAI. Stevenson, A.B. College Park, Md. : Entomological Society of America. Journal of economic entomology. June 1985. v. 78 (3). p.

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Effect of allyl isothiocyanate on field behavior of crucifer-feeding flea beetles (Coleoptera: Chrysomelidae) (*Phyllotreta cruciferae*, *Psylliodes punctulata*, *Phyllotreta bipustulata*, *Phyllotreta striolata*, *rutabagas*).
Vincent, C. Stewart, R.K. New York, N.Y. : Plenum Press. Journal of chemical ecology. Jan 1984. v. 10 (1). p. 33-39. Includes references. (NAL Call No.: QD415.A1J6).

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The effect of fonofos and carbofuran on microbiological population, and persistence of fonofos in four organic soils infested with onion maggot (*Hylemya antiqua*).
Belanger, A. Mathur, S.P.; Martel, P. New York, Marcel Dekker. Journal of environmental science and health. Part B: Pesticides, food contaminants, and agricultural wastes. 1982. v. 17 (2). p. 171-182. Includes 14 ref. (NAL Call No.: TD172.J61).

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EVETEX. Vernon, R.S. Bartel, D.L. College Park, Md. : Entomological Society of America. Environmental entomology. June 1985. v. 14 (3). p. 210-216. ill. Includes references. (NAL Call No.: DNAL QL461.E532).

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The effect of oil sprays on aphid (*Myzus persicae*, *Brevicoryne brassicae*, and *Aphis fabae*) transmission of turnip mosaic, beet yellows, bean common mosaic, and bean yellow mosaic viruses.
Walkey, D.G.A. Dance, M.C. Beltsville, Md., The Administration. Plant disease reporter. United States. Dept. of Agriculture. Science and Education Administration. Oct 1979. v. 63 (10). p. 877-881. ill. 15 ref. (NAL Call No.: 1.9 P69P).

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Effect of peat: vermiculite mixes containing *Trichoderma harzianum* on increased growth response of radish.
JOSHB. Paulitz, T. Windham, M.; Baker, R. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Sept 1986. v. 111 (5). p. 810-814. Includes references. (NAL Call No.: DNAL 81 S012).

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Effects of fertilizer level, fertility balance, and soil moisture on the interaction of two-spotted spider mites (Acarina: Tetranychidae) with radish plants (Tetranychus urticae).

Mellors, W.K.EVETB. Propts, S.E. College Park : Entomological Society of America. Environmental entomology. Aug 1983. v. 12 (4). p. 1239-1244. Includes references. (NAL Call No.: QL461.E532).

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Effects of intercropping beans and onions on populations of Liriomyza spp. and associated parasitic Hymenoptera.

PHESA. Johnson, M.W. Mau, R.F.L. Honolulu : The Society. Proceedings of the Hawaiian Entomological Society. Dec 15, 1986. v. 27. p. 95-103. Includes references. (NAL Call No.: DNAL 420 H312).

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Effects of maggots and wounding on occurrence of fusarium basal rot of onions in Colorado.

PLDRA. Everts, K.L. Schwartz, H.F.; Epsky, N.D.; Capinera, J.L. St. Paul, Minn. : American Phytopathological Society. Plant disease. Oct 1985. v. 69 (10). p. 878-882. Includes 22 references. (NAL Call No.: DNAL 1.9 P69P).

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Effects of nonhost-plant odors on anemotactic response to host-plant odor in female cabbage root fly, Delia radicum, and carrot rust fly, Psila rosae.

JCECD. Nottingham, S.F. New York, N.Y. : Plenum Press. Journal of chemical ecology. May 1987. v. 13 (5). p. 1313-1318. Includes references. (NAL Call No.: DNAL QD415.A1J6).

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Entomophthora muscae (Entomophthorales:Entomophthoraceae) mycosis in the onion fly, Delia antiqua (Diptera:Anthomyiidae).

JIVPA. Carruthers, R.I. Haynes, D.L.; MacLeod, D.M. New York, N.Y. : Academic Press. Journal of invertebrate pathology. Jan 1985. v. 45 (1). p. 81-93. ill., maps. Includes references. (NAL Call No.: DNAL 421 J826).

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The European horse-radish webworm /by F.H. Chittenden.

Chittenden, F. H. 1858-1929. Washington, D.C. : U.S. Dept. of Agriculture, 1921. Caption title.~ "August 25, 1921."~ "Professional paper." 10 p. : ill. ; 23 cm. Bibliography: p. 10. (NAL Call No.: DNAL 1 Ag84B no.966).

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Miller, M.E. College Station, Tex. : The Station. PR - Texas Agricultural Experiment Station. Oct 1985. (4313). 4 p. (NAL Call No.: DNAL 100 T31P).

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Evaluation of insecticides for Thrips tabaci (Thysanoptera: Thripidae) and effects of thrips on bulb onions.

JEENAI. Mayer, D.F. Lunden, J.D.; Rathbone, L. College Park, Md. : Entomological Society of America. Journal of economic entomology. Aug 1987. v. 80 (4). p. 930-932. Includes references. (NAL Call No.: DNAL 421 J822).

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Factors influencing resistance in Allium sp. to onion maggot (Hylemya antiqua).

Ellis, P.R. Eckenrode, C.J. College Park, Md. BulletinEntomological Society of America. June 1979. v. 25 (2). p. 151-153. Bibliography p. 152-153. (NAL Call No.: 423.9 EN8).

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The first record of the palearctic species Anotylus insecatus (Gravenhorst) (Coleoptera: Staphylinidae) from North America (Predator of the onion maggot, Hylemya antiqua).

Campbell, J.M.COBLA. Tomlin, A.D. Washington : Coleopterists Society. The Coleopterists' bulletin. Dec 1983. v. 37 (4). p. 309-313. ill. Includes references. (NAL Call No.: 421 C674).

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JEENAI. Sears, M.K. Dufault, C.P. College Park, Md. : Entomological Society of America. Journal of economic entomology. Feb 1986. v. 79 (1). p. 54-58. Includes references. (NAL Call No.: DNAL 421 J822).

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Forecasting events in the life cycle of the onion maggot, *Hylemya antiqua* (Diptera: Anthomyiidae): application to control schemes (Ontario).

Liu, H.U. McEwen, F.L.; Ritcey, G. College Park, Md., Entomological Society of America. Environmental entomology. June 15, 1982. v. 11 (3). p. 751-755. ill. 7 ref. (NAL Call No.: QL461.E532).

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The horse-radish flea-beetle its life history and distribution /by F.H. Chittenden and Neale F. Howard.

Chittenden, F. H. 1858-1929. Howard, Neale F. 1890-. Washington, D.C. : U.S. Dept. of Agriculture, 1917. Caption title.~ "June 28, 1917.". 16 p. : ill., 1 map ; 24 cm. Bibliography: p. 15-16. (NAL Call No.: DNAL 1 Ag84B no.535).

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Dindonis, L.L. Miller, J.R. College Park, Md., Entomological Society of America. Environmental entomology. Dec 1980. v. 9 (6). p. 769-772. ill. 11 ref. (NAL Call No.: QL461.E532).

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Host-finding responses of onion and seedcorn flies (*Hylemya antiqua*, *Hylemya platura*) to healthy and decomposing onions and several synthetic constituents of onion.

Dindonis, L.L. Miller, J.R. College Park, Md., Entomological Society of America. Environmental entomology. Aug 1980. v. 9 (4). p. 467-472. ill. 27 ref. (NAL Call No.: QL461.E532).

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The impact of integrated pest management practices on New York vegetable crops: some specific cases (Cabbage, sweet corn, onions, yield, costs).

Andaloro, J.T. Kuhr, R.U.; Tette, J.P.; Straub, R.W.; Muka, A.A. (s.l., s.n.). Proceedings of the ... annual meeting - New York State Horticultural Society. 1980. v. 125 (125th). p. 164-168. (NAL Call No.: 81 N484).

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Impact of physical injury and commercial lifting on damage to onion bulbs by larvae of onion maggot (Diptera: Anthomyiidae).

JEENAI. Eckenrode, C.J. Nyrop, J.P. College Park, Md. : Entomological Society of America. Journal of economic entomology. Dec 1986. v. 79

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0192

Impact of the egg parasitoid, *Anaphes sordidatus* (Hymenoptera: Mymaridae), on the carrot weevil (Coleoptera: Curculionidae). EVETEX. Collins, R.D. Grafius, E. College Park, Md. : Entomological Society of America. Environmental entomology. June 1986. v. 15 (3). p. 469-475. Includes references. (NAL Call No.: DNAL QL461.E532).

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Influence of cage design on precision of tube-trap bioassay for attractants of the onion fly, *Delia antiqua*.

JCECD. Weston, P.A. Miller, J.R. New York, N.Y. : Plenum Press. Journal of chemical ecology. Apr 1985. v. 11 (4). p. 435-440. ill. Includes references. (NAL Call No.: DNAL QD415.A1J6).

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Influence of onion cultivars and their microbial colonizers on resistance to onion maggot (*Hylemya antiqua*, New York).

Ellis, P.R. Eckenrode, C.J. College Park, Md., Entomological Society of America. Journal of economic entomology. Aug 15, 1979. v. 72 (4). p. 512-515. ill. 10 ref. (NAL Call No.: 421 J822).

0195

Influence of unharvested, cull-pile, and volunteer onions on populations of onion maggot (Diptera: Anthomyiidae).

JEENAI. Finch, S. Eckenrode, C.J. College Park, Md. : Entomological Society of America. Journal of economic entomology. June 1985. v. 78 (3). p. 542-546. Includes references. (NAL Call No.: DNAL 421 J822).

0196

Insect and nematode control recommendations for table beets, carrots, parsnips, sweet potatoes, and turnips.

Toscano, N.C. (comp.). CA. Burton, V.; Hart, W.; Johnson, D.; Radewald, J.; Thomason, I.; Toscano, N.; Lang, W.; Stimmann, M. Berkeley, The Service. Leaflet - Division of Agricultural Sciences, University of California. California. University, Berkeley. Cooperative Extension Service. Dec 1979. Dec 1979. (2750). 7 p. ill. (NAL Call No.: S544.3.C2C3).

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Royer, T.A. Edelson, J.V.; Cartwright, B. College Station, Tex. : The Station. PR - Texas Agricultural Experiment Station. Jan 1986. (4345). 6 p. Includes references. (NAL Call No.: DNAL 100 T31P).

0198

Insecticides for onion thrip control in dry blub onions.

DASPA. Jensen, L. Corvallis, Or. : The Station. Special report - Oregon State University, Agricultural Experiment Station. Aug 1985. (748). p. 61-63. (NAL Call No.: DNAL 100 OR3M).

0199

Lettuce and onion insect pests.

MUCBA. Grafius, E. East Lansing, Mich. : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. Sept 1984. (972,rev.). 2 p. ill. (NAL Call No.: DNAL 275.29 M58B).

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Life history of the parsnip webworm, *Depressaria pastinacella* (Lepidoptera: Oecophoridae), in Central Iowa.

AESAAI. Gorder, N.K.N. Mertins, J.W. College Park, Md. : The Society. Annals of the Entomological Society of America. Sept 1984. v. 77 (5). p. 568-573. Includes 21 references. (NAL Call No.: DNAL 420 EN82).

0201

***Lygus hesperus* Knight (Hemiptera: Miridae) and *Daucus carota* L. (Umbelliflorae: Umbelliflorae): an example of relationships between a polyphagous insect and one of its plant hosts (Carrot).**

Scott, D.R. EVETB. College Park : Entomological Society of America. Environmental entomology. Feb 1983. v. 12 (1). p. 6-9. Includes references. (NAL Call No.: QL461.E532).

0202

Nocturnal flight behavior of the carrot beetle (*Bothynus gibbosus*).

Rogers, C.E. Kirby, R.D. College Station, Tex., Southwestern Entomological Society. The Southwestern entomologist. Dec 1978. v. 3 (4). p. 271-275. ill. 5 ref. (NAL Call No.: QL461.S65).

0203

Note on the establishment in Illinois of *Baris lepidii*, a destructive European weevil (Horseradish, turnips).

Bouseman, J.K. Sherrod, D. College Park, Md. Bulletin Entomological Society of America. Dec 1978. v. 24 (4). p. 407-408. ill. 10 ref. (NAL Call No.: 423.9 EN8).

0204

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McLain, D.K. Athens, Ga., The Society. Journal of the Georgia Entomological Society. Apr 1981. v. 16 (2). p. 257-260. ill. 5 ref. (NAL Call No.: QL461.G4).

0205

Onion maggot control, 1979 (*Hylemya antiqua*).

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0206

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Robbins, P.S. Hessney, M.L.; Eckenrode, C.U. College Park : Entomological Society of America. Insecticide and acaricide tests. 1982. v. 7. p. 95-96. (NAL Call No.: SB950.A1I49).

0207

The onion maggot (*Hylemya antiqua*) and its control in New York.

Ellis, P.R. Eckenrode, C.U. Geneva, N.Y., The Station. New York's food and life sciences bulletin. New York (State). Agricultural Experiment Station, Geneva. May 1979. May 1979. (79). 3 p. ill. (NAL Call No.: S95.E22).

0208

The onion plant bug genus *Labopidicola* (Hemiptera: Miridae): economic implications, taxonomic review, and description of a new species (Morphology, pest potential, Texas).

Henry, T.U. Washington, D.C., The Society. Proceedings - Entomological Society of Washington. Jan 1982. v. 84 (1). p. 1-15. ill. 2 p. ref. (NAL Call No.: 420 W27).

0209

Onion thrips in Iowa /by J.L. Horsfall and F.A. Fenton.

Horsfall, John Louis, 1888-. Fenton, F. A. 1893-. Ames, Iowa : Agricultural Experiment Station, Iowa State College of Agriculture and the Mechanic Arts, 1922. Caption title. p. 56-68 : ill., charts ; 23 cm. (NAL Call No.: DNAL 100 Io9 no.205).

0210

Overwintering of the onion thrips, *Thrips tabaci* (Thysanoptera: Thripidae), in New York. EVETEX. North, R.C. Shelton, A.M. College Park, Md. : Entomological Society of America. Environmental entomology. June 1986. v. 15 (3). p. 695-699. Includes references. (NAL Call No.: DNAL QL461.E532).

0211

Overwintering sites and survival of the carrot weevil, *Listronotus oregonensis* (Coleoptera: Curculionidae). EVETEX. Grafius, E. Collins, R.D. College Park, Md. : Entomological Society of America. Environmental entomology. Feb 1986. v. 15 (1). p. 113-117. Includes references. (NAL Call No.: DNAL QL461.E532).

0212

Overwintering survival of the onion maggot, *Delia antiqua* (Meigen), (Diptera: Anthomyiidae) in Michigan. JKESA. Whitefield, G.H. Drummond, F.A.; Haynes, D.L. Lawrence, Kan. : The Society. Journal of the Kansas Entomological Society. Jan 1986. v. 59 (1). p. 197-199. Includes references. (NAL Call No.: DNAL 420 K13).

0213

Pectolytic enzymes as mechanisms of tissue maceration in the onion bloat disease caused by *Ditylenchus dipsaci* (Kuehn) Filipjev. Riedel, Richard Mack, 1942-. Ann Arbor, Mich. University Microfilms 1971. Thesis-- Cornell University, 1970. viii, 132 leaves. Bibliography: leaves 98-100. (NAL Call No.: DISS 70-17,097).

0214

Pesticide residues in onions and carrots grown on organic soils, Ontario 1975 to 1980 (Insect pest control, Canada). Frank, R. Braun, H.E.; Ritcey, G.; McEwen, F.L.; Sirons, G.J. College Park, Md., Entomological Society of America. Journal of economic entomology. June 1982. v. 75 (3). p. 560-565. Includes 1 p. ref. (NAL Call No.: 421

J822).

0215

Phenology of egg hatching for the red turnip beetle, *Entomoscelis americana* (Coleoptera: Chrysomelidae). Gerber, G.H.EVETB. Lamb, R.J. College Park : Entomological Society of America. Environmental entomology. Dec 1982. v. 11 (6). p. 1258-1263. Includes references. (NAL Call No.: QL461.E532).

0216

Plant-derived synergists of alarm pheromone from turnip aphid, *Lipaphis (Hyadaphis) erysimi* (Homoptera, Aphididae). JCECD. Dawson, G.W. Griffiths, D.C.; Pickett, J.A.; Wadhams, L.J.; Woodcock, C.M. New York, N.Y. : Plenum Press. Journal of chemical ecology. July 1987. v. 13 (7). p. 1663-1671. Includes references. (NAL Call No.: DNAL QD415.A1J6).

0217

Plant injury and contamination by onion thrips in sauerkraut. Shelton, A.M.NYAEA. Geneva : The Station. Special report - New York State Agricultural Experiment Station, Geneva. Dec 1982. Dec 1982. (46). p. 6-8. (NAL Call No.: S95.E24).

0218

Predicting resurgence of western flower thrips (*Thysanoptera: Thripidae*) on onions after insecticide application in the Texas High Plains. JEENAL. Dintenfass, L.P. Bartell, D.P.; Scott, M.A. College Park, Md. : Entomological Society of America. Journal of economic entomology. Apr 1987. v. 80 (2). p. 502-506. Includes references. (NAL Call No.: DNAL 421 J822).

0219

Responses to n-dipropyl disulfide by ovipositing onion flies: effects of concentration and site of release. JCECD. Harris, M.O. Keller, J.E.; Miller, J.R. New York, N.Y. : Plenum Press. Journal of chemical ecology. May 1987. v. 13 (5). p. 1261-1277. Includes references. (NAL Call No.: DNAL QD415.A1J6).

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0220

A sampling method for estimating absolute numbers of thrips on onions.

SENTD. Edelson, J.V. College Station, Tex. : Southwestern Entomological Society. The Southwestern entomologist. June 1985. v. 10 (2). p. 103-105. Includes references. (NAL Call No.: DNAL QL461.S65).

0221

Sampling program for estimating plant damage caused by the onion maggot (Diptera: Anthomyiidae) on the regional and field levels.
JEENAI. Carruthers, R.I. Whitfield, G.H.; Haynes, D.L. College Park, Md. : Entomological Society of America. Journal of economic entomology. Dec 1984. v. 77 (6). p. 1355-1363. ill. Includes references. (NAL Call No.: DNAL 421 J822).

0222

Search for potent attractants of onion flies.
JCECD. Miller, J.R. Harris, M.D.; Breznak, J.A. New York, N.Y. : Plenum Press. Journal of chemical ecology. Oct 1984. v. 10 10. p. 1477-1488. Includes references. (NAL Call No.: DNAL QD415.A1J6).

0223

Seasonal activity and geographical distribution of the carrot rust fly (Diptera: Psilidae) in western Washington (Psila rosae).
Getzin, L.W. JEENA. College Park : Entomological Society of America. Journal of economic entomology. Dec 1982. v. 75 (6). p. 1029-1033. map. 8 ref. (NAL Call No.: 421 J822).

0224

Seasonal occurrence of carrot rust fly (Diptera: Psilidae) adults in Ontario and its relation to cumulative degree-days (Psila rosae).
Stevenson, A.B. EVETB. College Park : Entomological Society of America. Environmental entomology. Aug 1983. v. 12 (4). p. 1020-1025. Includes references. (NAL Call No.: QL461.E532).

0225

A simulation model for the survival and development of the onion maggot Hylemya antiqua (Diptera: Anthomyiidae).
Whitfield, G.H. Drummond, F.A.; Haynes, D.L. Guelph, The Society. Proceedings of the Entomological Society of Ontario. 1980 (pub. 1981). v. 111. p. 39-55. 14 ref. (NAL Call No.: 420 ON8).

0226

Spatial and temporal distribution of plant damage caused by the onion maggot (Diptera: Anthomyiidae).
EVETEX. Whitfield, G.H. Carruthers, R.I.; Lampert, E.P.; Haynes, D.L. College Park, Md. : Entomological Society of America. Environmental entomology. June 1985. v. 14 (3). p. 262-266. Includes references. (NAL Call No.: DNAL QL461.E532).

0227

Suppressing onion maggot in commercial fields and research plots, and monitoring with air thermal unit accumulations.
SHAGA. Andaloro, J.T. Rose, K.B.; Eckenrode, C.J. Ithaca, N.Y. : The Station. Search agriculture - New York State Agricultural Experiment Station, Ithaca. 1984. (29). 5 p. Includes 10 references. (NAL Call No.: DNAL S95.E23).

0228

Suppression of onion thrips with systemic-insecticide soil treatments.
JEENAI. Getzin, L.W. College Park, Md. : Entomological Society of America. Journal of economic entomology. Aug 1973. v. 66 (4). p. 975-977. Includes references. (NAL Call No.: DNAL 421 J822).

0229

Suppression of the turnip aphid, Lipathis erysimi (Kltb), on cabbage by reflective mulches and acephate.
TFHSA. Corsoro, S. Coffey, D.L.; Lambdin, P. Knoxville, Tenn. : The Station. Tennessee farm and home science - Tennessee Agricultural Experiment Station. Oct/Dec 1980. (116). p. 36-37. ill. Includes references. (NAL Call No.: DNAL 100 T25F).

0230

Susceptibility of onion growth stages to onion thrips (Thysanoptera: Thripidae) damage and mechanical defoliation.
EVETEX. Kendall, D.M. Capinera, J.L. College Park, Md. : Entomological Society of America. Environmental entomology. Aug 1987. v. 16 (4). p. 859-863. Includes references. (NAL Call No.: DNAL QL461.E532).

0231

Susceptibility of the carrot weevil (Coleoptera: Curculionidae) to *Steinernema feltiae*, *S. bibionis*, and *Heterorhabditis heliothidis*.

JONEB. Belair, G. Boivin, G. Raleigh, N.C. : Society of Nematologists. Journal of nematology. July 1985. v. 17 (3). p. 363-366. Includes 10 references. (NAL Call No.: DNAL QL391.N4J62).

0232

Temperature, moisture, and habitat effects on *Entomophthora muscae* (Entomophthorales: Entomophthoraceae) conidial germination and survival in the onion agroecosystem.

EVELEX. Carruthers, R.I. Haynes, D.L. College Park, Md. : Entomological Society of America. Environmental entomology. Dec 1986. v. 15 (6). p. 1154-1160. Includes references. (NAL Call No.: DNAL QL461.E532).

0233

Thrips damage and control in onions, 1981 (*Allium cepa*, *Thrips tabaci*).

Gratius, E. Morrow, E.A.; Russell, J.; Love, A. College Park : Entomological Society of America. Insecticide and acaricide tests. 1982. v. 7. p. 95. (NAL Call No.: SB950.A1I49).

0234

Thrips (Pests of field crops, flowers, onions, and other vegetables and fruits).

Retan, A.H.WUEXA. Pullman : The Service. Extension Bulletin - Washington State University, Cooperative Extension Service. Nov 1983. Replaces EM4294. Nov 1983. (1226). 2 p. ill. (NAL Call No.: 275.29 W27P).

0235

Transmission of cauliflower mosaic virus by the green peach, turnip, cabbage, and pea aphids (*Myzus persicae*, *Hyadaphis erysimi*, *Brevicoryne brassicae*, *Acyrtosiphon pisum*).

Namba, R. Sylvester, E.S. College Park, Md., Entomological Society of America. Journal of economic entomology. Oct 1981. v. 74 (5). p. 546-551. 17 ref. (NAL Call No.: 421 J822).

0236

The turnip aphid in the Southern states and methods for its control /by Norman Allen and P.K. Harrison.

Allen, Norman, 1900-. Harrison, P. K. 1891-. Washington, D.C. : U.S. Dept. of Agriculture, 1941. Cover title.~ "Contribution of the Bureau of Entomology and Plant Quarantine.". 10 p. : ill. ; 23 cm. (NAL Call No.: DNAL 1 Ag84F

no.1863).

0237

The turnip aphid in the southern states and methods for its control by Norman Allen and P.K. Harrison . --.

Allen, Norman. Washington, D.C. : U.S. Dept. of Agriculture, 1941. ii, 10 p. : ill. --. (NAL Call No.: DNAL Fiche S-70 no.1863).

0238

Use of aluminum-foil and oat-straw mulches for controlling aster leafhopper, *Macrosteles fascifrons* (Homoptera: Cicadellidae), and aster yellows in carrots.

GRLEA. Setiawan, D.P. Ragsdale, D.W. East Lansing, Mich. : Michigan Entomological Society. The Great Lakes entomologist. Summer 1987. v. 20 (2). p. 103-109. Includes references. (NAL Call No.: DNAL QL461.M5).

0239

Varietal resistance in onions to thrips (*Thrips tabaci*).

Coudriet, D.L. Kishaba, A.N. College Park, Md., Entomological Society of America. Journal of economic entomology. Aug 15, 1979. v. 72 (4). p. 614-615. ill. 4 ref. (NAL Call No.: 421 J822).

0240

Weed, insect, and disease control guide: beets, carrots, lettuce, onions parsnips, radishes, rutabagas, turnips, spinach.

Waters, Luther Jr. Boldt, Paul F.; Lofgren, John A. ; Noetzel, David M.; Pfleger, F. L.; Bissonnette, Howard L. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1981. Lists herbicides, insecticides and fungicide suggestions for beets, carrots, lettuce, onions, parsnips, radishes, rutabagas, turnips and spinach. 7 p. : ill. (NAL Call No.: Document available from source.)(NAL Call No.: Ext. Folder 600).

PESTS OF PLANTS - NEMATODES

0241

Carrot callus tissue for culture of endoparasitic nematodes.
JONEB. Reise, R.W. Huettel, R.N.; Sayre, R.M. Raleigh, N.C. : Society of Nematologists. Journal of nematology. July 1987. v. 19 (3). p. 387-389. Includes references. (NAL Call No.: DNAL QL391.N4J62).

0242

The carrot cyst nematode.
NASSD. Greco, N. New York, N.Y. : Plenum Press. NATO advanced science institutes series : Series A : Life sciences. In the series analytic: Cyst nematodes / edited by F. Lamberti and C.E. Taylor. ~ Literature review. 1986. v. 121. p. 333-346. ill. Includes references. (NAL Call No.: DNAL QH301.N32).

0243

Cell responses to *Heterodera schachtii* feeding on susceptible and resistant cultivars of oil radish.

NASSD. Stender, C. New York, N.Y. : Plenum Press. NATO advanced science institutes series : Series A : Life sciences. In the series analytic: Cyst nematodes / edited by F. Lamberti and C.E. Taylor. 1986. v. 121. p. 251-254. ill. Includes references. (NAL Call No.: DNAL QH301.N32).

0244

Control of *Ditylenchus dipsaci* in infected garlic seed cloves by nonfumigant nematicides.
JONEB. Roberts, P.A. Greathead, A.S. Raleigh, N.C. : Society of Nematologists. Journal of nematology. Jan 1986. v. 18 (1). p. 66-73. Includes 11 references. (NAL Call No.: DNAL QL391.N4J62).

0245

Control of root-knot nematodes on carrots with non-fumigant nematicides, 1979 (Carrot (*Daucus carota* 'Danvers 126'), northern root-knot nematode; *Meloidogyne hapla*).
Riedel, R.M. Cole, R.C. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 218. (NAL Call No.: 464.9 AM31R).

0246

Cropping effects of marigolds, corn, and okra on population levels on *Meloidogyne javanica* and on carrot yields.
JONEB. Huang, S.P. Raleigh, N.C. : Society of Nematologists. Journal of nematology. Oct 1984. v. 16 (4). p. 396-398. Includes 11 references. (NAL Call No.: DNAL QL391.N4J62).

0247

Cultivar influence on response of carrot to northern root-knot nematode (*Meloidogyne hapla*).
Yarger, L.W. Baker, L.R. Alexandria, Va., American Society for Horticultural Science. HortScience. Feb 1981. v. 16 (1). p. 69-71. 14 ref. (NAL Call No.: SB1.H6).

0248

The effect of aldicarb on nematode population and its persistence in carrots, soil and hydroponic solution (Pesticides, residues, *Meloidogyne incognita*, *Meloidogyne hapla*).
Lue, L.P. Lewis, C.C.; Melchor, V.E. New York, N.Y. : Marcel Dekker. Journal of environmental science and health. Part B. Pesticides, food contaminants, and agricultural wastes. 1984. v. 19 (3). p. 343-354. Includes references. (NAL Call No.: TD172.J61).

0249

Effects of initial population densities of *Heterodera schachtii* on yield of cabbage and table beets in New York State.
Abawi, G.S. Mai, W.F. St. Paul, Minn., American Phytopathological Society. Phytopathology. June 1980. v. 70 (6). p. 481-485. ill. 21 ref. (NAL Call No.: 464.8 P56).

0250

Influence of nematicides on *Meloidogyne hapla*, *Pratylenchus penetrans* and carrot yields, 1979 (Carrot (*Daucus carota* 'Gold Pak'), root-lesion nematode; *Pratylenchus penetrans*, root-knot nematode; *Meloidogyne hapla*).
Bird, G.W. Davenport, J. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 218. (NAL Call No.: 464.9 AM31R).

0251

Influence of root-knot nematode on onion.
HJHSA. Corgan, J.N. Lindsey, D.L.; Delgado, R. Alexandria, Va. : American Society for Horticultural Science. HortScience. Feb 1985. v. 20 (1). p. 134-135. ill. Includes 9 references. (NAL Call No.: DNAL SB1.H6).

0252

Influence of water and soil temperature on the concentration and efficacy of phenamiphos for control of root-knot nematodes (*Meloidogyne incognita*, turnips, field corn, southern peas).
Johnson, A.W. Rohde, W.A.; Dowler, C.C.; Glaze, N.C.; Wright, W.C. Ames, Iowa, Society of Nematologists. Journal of nematology. Apr 1981. v. 13 (2). p. 148-153. 16 ref. (NAL Call No.:)

QL391.N4J62).

(NAL Call No.: 1.9 P69P).

0253

Insect and nematode control recommendations for table beets, carrots, parsnips, sweet potatoes, and turnips.

Toscano, N.C. (comp.). CA. Burton, V.; Hart, W.; Johnson, D.; Radewald, J.; Thomason, I.; Toscano, N.; Lang, W.; Stimmann, M. Berkeley, The Service. Leaflet - Division of Agricultural Sciences, University of California. California. University, Berkeley. Cooperative Extension Service. Dec 1979. Dec 1979. (2750). 7 p. ill. (NAL Call No.: S544.3.C2C3).

0254

Meloidogyne incognita on society garlic and its control (*Tulbaghia violacea*, hot water treatment).

McSorley, R. McMillan, R.T. Jr.; Parrado, J.L. St. Paul, American Phytopathological Society. Plant disease. Feb 1984. v. 68 (2). p. 166-167. Includes references. (NAL Call No.: 1.9 P69P).

0255

Onion as a host of *Rotylenchulus reniformis* (Texas).

Carter, W.W. Ames, Iowa, Society of Nematologists. Journal of nematology. Oct 1981. v. 13 (4). p. 433-434. (NAL Call No.: QL391.N4J62).

0256

Outsmarting the onion maggot.

Brusko, M. Emmaus, Pa. : Regenerative Agriculture Association. The New farm. Sept/Oct 1984. v. 6 (6). p. 30-32. (NAL Call No.: S1.N32).

0257

Penetration, development, reproduction, and sex ratio of *Meloidogyne javanica* in three carrot cultivars.

JONEB, Huang, S.P. Raleigh, N.C. : Society of Nematologists. Journal of nematology. July 1986. v. 18 (3). p. 408-412. Includes 6 references. (NAL Call No.: DNAL QL391.N4J62).

0258

Preplanting inoculum densities of root-knot nematode related to carrot yield in greenhouse (*Meloidogyne incognita*, *Daucus carota*, crop loss).

Huang, C.S. Charchar, J.M. St. Paul, American Phytopathological Society. Plant disease. Nov 1982. v. 66 (11). p. 1064-1066. ill. 5 ref.

0259

Relationship between *Meloidogyne hapla* density and damage to carrots in organic soils (Canada).

Vrain, T.C. Ames, Iowa, Society of Nematologists. Journal of nematology. Jan 1982. v. 14 (1). p. 50-57. ill. Includes 21 ref. (NAL Call No.: QL391.N4J62).

0260

Tolerance of carrot (Cultivars and breeding lines) to *Meloidogyne hapla*.

Yarger, L.W. Baker, L.R. St. Paul, Minn., American Phytopathological Society. Plant disease. Apr 1981. v. 65 (4). p. 337-339. 16 ref. (NAL Call No.: 1.9 P69P).

0261

Varietal response and estimates of heritability of resistance to *Meloidogyne javanica* in carrots.

JONEB, Huang, S.P. Vecchia, P.T.D.; Ferreira, P.E. Raleigh, N.C. : Society of Nematologists. Journal of nematology. Oct 1986. v. 18 (4). p. 496-501. Includes references. (NAL Call No.: DNAL QL391.N4J62).

PLANT DISEASES - GENERAL

0262

Agricultural oral history interview with Marvin E. Miller, Robert C. Dillon / with the direction of Irvin M. May. -.
Miller, Marvin Edward, 1941-. May, Irvin M.; Dillon, Robert C.; 1946-. College Station Texas A&M University Archives 1976. Interview conducted on Dec. 16, 1976 by Irvin M. May of the Texas Agricultural Experiment Station. 8 leaves : 28 cm. (NAL Call No.: R SB608.05M5).

0263

The black-root disease of radish / James B. Kendrick .
Kendrick, James B. 1893-. Lafayette, Ind. : Purdue University Agricultural Experiment Station, 1927. Cover title. 32 p. : ill. ; 24 cm. (NAL Call No.: DNAL 100 In2P no.311).

0264

Electronic circuit for detecting leaf wetness and comparison of two sensors (Relationship between microclimate and plant disease, beans, maize, onions).
Weiss, A. Lukens, D.L. St. Paul, Minn., American Phytopathological Society. Plant disease. Jan 1981. v. 65 (1). p. 41-43. ill. 15 ref. (NAL Call No.: 1.9 P69P).

0265

Market diseases of asparagus, onions, beans, peas, carrots, celery, and related vegetables / by Marion A. Smith, Lacy P. McColloch, and Bernard A. Friedman .
Smith, M. A. 1897-. McColloch, Lacy Porter, 1907-; Friedman, B. A. 1909-; Ramsey, Glen B. 1889-. Washington, D.C. : U.S. Dept. of Agriculture, Agricultural Research Service, Market Quality Research Division, 1966. Revision of and supersedes Market diseases of fruits and vegetables: asparagus, onions, beans, peas, carrots, celery, and related vegetables, by G.B. Ramsey and J.S. Wiant, issued as U.S. Dept. of Agriculture. Miscellaneous publication no. 440. iv, 65 p. : 17 plates (part col.) ; 24 cm. Bibliography: p. 56-65. (NAL Call No.: DNAL 1 Ag84Ah no.303).

0266

Market diseases of cabbage, cauliflower, turnips, cucumbers, melons, and related crops / Glen B. Ramsey and M.A. Smith .
Ramsey, Glen B. 1889-. Smith, Marion Ashton. Washington, D.C. : U.S. Dept. of Agriculture, Agricultural Marketing Service, Market Quality Research Division, 1961. 49 p., 24 p. of plates : ill. (some col.) ; 23 cm. Bibliography: p. 45-49. (NAL Call No.: DNAL 1 Ag84Ah no.184).

0267

Market diseases of fruits and vegetables asparagus, onions, beans, peas, carrots, celery, and related vegetables /by Glen B. Ramsey and James S. Wiant.
Ramsey, Glen B. 1889-. Wiant, James S. 1900-. Washington, D.C. : U.S. Dept. of Agriculture, 1941. Cover title.~ "September 1941.". 70 p., 15 leaves of plates : ill. (some col.) ; 23 cm. Bibliography: p. 60-70. (NAL Call No.: DNAL 1 Ag84M no.440).

0268

Radish roundup (Diseases, prevention, fungal diseases).
Rowe, R.C. Willoughby, Ohio : Meister Publishing Company. American vegetable grower and greenhouse grower. May 1981. v. 29 (5). p. 8-9, 46. (NAL Call No.: 80 C733).

0269

A study of horseradish diseases and their control /by K.J. Kadow and H.W. Anderson.
Kadow, K. J. 1908-. Anderson, H. W. 1885-. Urbana, Ill. : University of Illinois Agricultural Experiment Station, 1940. Cover title. p. 529 -583 : ill. ; 23 cm. Bibliography: p. 578-583. (NAL Call No.: DNAL 100 I16S no.469).

0270

Weed, insect, and disease control guide: beets, carrots, lettuce, onions parsnips, radishes, rutabagas, turnips, spinach.
Waters, Luther Jr. Boldt, Paul F.; Lofgren, John A. ; Noetzel, David M.; Pfleger, F. L.; Bissonnette, Howard L. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1981. Lists herbicides, insecticides and fungicide suggestions for beets, carrots, lettuce, onions, parsnips, radishes, rutabagas, turnips and spinach. 7 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: Ext. Folder 600).

PLANT DISEASES - FUNGAL

0271

Active sporangium discharge by *Peronospora destructor* (Downy mildew, onion plants).
Leach, C.M. St. Paul, American Phytopathological Society. *Phytopathology*. July 1982. v. 72 (7). p. 881-885. ill. 12 ref. (NAL Call No.: 464.8 P56).

0272

Assays for determining resistance and susceptibility of onion cultivars to the pink root disease.
PHYTAJ. Hess, W.M. Weber, D.J. St. Paul, Minn. : American Phytopathological Society. *Phytopathology*. Jan 1988. v. 78 (1). p. 115-117. Includes references. (NAL Call No.: DNAL 464.8 P56).

0273

Biochemical properties of turnip mosaic virus and the coat of other plant viruses / by John Hemmingson Hill. -.
Hill, John Hemmingson, 1941-. 1971. Thesis (Ph.D.)--University of California, Davis, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. v, 88 leaves ; 21 cm. Bibliography: leaves 81-88. (NAL Call No.: DISS 71-25,100).

0274

Biological control of *Pythium* (ultimum) root rot of table beet with *Corticium* sp.
Hoch, H.C. Abawi, G.S. St. Paul, American Phytopathological Society. *Phytopathology*. Apr 1979. v. 69 (4). p. 417-419. ill. 6 ref. (NAL Call No.: 464.8 P56).

0275

Black spot of onion sets /by Frank Lincoln Stevens and Esther Young True.
Stevens, Frank Lincoln, 1871-1934. True, Esther Young, 1893-. Urbana, Ill. : University of Illinois Agricultural Experiment Station, 1919. Cover title. p. 505-532 : ill. ; 23 cm. Bibliography: p. 532. (NAL Call No.: DNAL 100 I16S no.220).

0276

Botrytis leaf blight of bulb onion in southeast Florida (*Botrytis squamosa*).
Sonoda, R.M. Stoffella, P.J.; Hayslip, N.C. S.l., The Society. Proceedings of the ... annual meeting of the Florida State Horticultural Society. 1981 (pub. 1982). v. 94. p. 152-154. Includes 12 ref. (NAL Call No.: 81 F66).

0277

Bravo fungicide treatments for neckrot control in onions (*Botrytis*, Oregon).
Stranger, C.E.OASPA. Corvallis : The Station. Special report - Agricultural Experiment Station, Oregon State University. June 1983. June 1983. (683). p. 66-68. (NAL Call No.: 100 OR3M).

0278

Chemical control of foliar diseases of peanuts, peppers, and onions as affected by spray nozzle types, nozzle orientations, spray intervals, and adjuvants.
PLDRA. Kucharek, T.A. Cullen, R.E.; Stall, R.E.; Llewellyn, B. St. Paul, Minn. : American Phytopathological Society. Plant disease. June 1986. v. 70 (6). p. 583-586. Includes 15 references. (NAL Call No.: DNAL 1.9 P69P).

0279

A compound from onion roots inhibitory to *Pyrenochaeta terrestris* / by Francis Louis Pfleger. -.
Pfleger, Francis Louis. Ann Arbor, Mich. University Microfilms 1973. Thesis--Oregon State University, 1972. Facsimile produced by microfilm-xerography. 71 leaves. Bibliography: leaves 65-71. (NAL Call No.: DISS 73-3,983).

0280

Control of *Alternaria* blight of carrot with Difolatan and its interaction with varietal resistance, 1984.
FNETD. Aguilar, J.A.E. Della Vecchia, P.T.; Reitschneider, F.J.B. s.l. : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1985. v. 40. p. 69. (NAL Call No.: DNAL 464.9 AM31R).

0281

Control of downy mildew of turnip with fungicide sprays, 1981 (Turnip (*Brassica rapa* 'Purple Top'), downy mildew; *Peronospora parasitica*).
Nelson, E.B. Rowe, R.C. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 90. (NAL Call No.: 464.9 AM31R).

0282

Control of onion blast (*Botrytis squamosa*) results of 1978.
Sonoda, R.M. Hayslip, N.C. Fort Pierce, Fla., The Center. Fort Pierce ARC research report RL.Florida. University. Agricultural Research Center. Oct 1978. Oct 1978. (1978-6). 3 p. 2 ref. (NAL Call No.: SB1.F56).

(PLANT DISEASES - FUNGAL)

0283

Control of onion white rot with in-furrow and foliar sprays, 1978-79 (Onion (*Allium fistulosum*, 'Evergreen Bunching'), white rot; *Sclerotium cepivorum*). Johnston, S.A. Springer, J.K. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 76. (NAL Call No.: 464.9 AM31R).

0284

Control of white rot in dry bulb onions, 1981/82 and 1982/83. FNETD. Merriman, P.R. Porter, I.J. s.l. : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1985. v. 40. p. 76-77. (NAL Call No.: DNAL 464.9 AM31R).

0285

Conversion of (¹⁴C) (carbon isotope) pentachloronitrobenzene in onions. Begum, S. Scheunert, I. New York, Academic Press. Pesticide biochemistry and physiology. July 1979. v. 11 (1/3). p. 189-200. ill. 20 ref. (NAL Call No.: SB951.P49).

0286

Development of purple blotch of onion under two different fungicide regimes. Miller, M.E. Weslaco, Tex., The Society. Journal of the Rio Grande Valley Horticultural Society. 1982. v. 35. p. 47-51. Includes 4 ref. (NAL Call No.: 81 L95).

0287

Diseases limiting production of Jerusalem artichokes in Georgia (*Helianthus tuberosus*, *Puccinia helianthi*, *Erysiphe cichoracearum*, *Sclerotium rolfsii*, *Fusarium*, *Pseudomonas*, crop rotation). McCarter, S.M. Kays, S.J. St. Paul, Minn. : American Phytopathological Society. Plant disease. Apr 1984. v. 68 (4). p. 299-302. ill. Includes references. (NAL Call No.: 1.9 P69P).

0288

Dispersion statistics and sequential sampling plan for leaf blight caused by *Botrytis squamosa* in onions. PHYTAJ. Boivin, G. Sauriol, P. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Nov 1984. v. 74 (11). p. 1385-1387. Includes 19 references. (NAL Call No.: DNAL 464.8 P56).

0289

Downy mildew of onion. WUEXA. Johnson, D.A. Shaw, C.G. Pullman, Wash. : The Service. Extension Bulletin - Washington State University, Cooperative Extension Service. Jan 1985. (1310). 2 p. ill. (NAL Call No.: DNAL 275.29 W27P).

0290

Downy mildew of onion (*Peronospora destructor*). Varanyi, F. London ; New York : Academic Press, c1981. The Downy mildews / edited by D.M. Spencer. p. 461-472. ill. 2 p. ref. (NAL Call No.: SB741.D68D68).

0291

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0410

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0411

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0421

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0423

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0426

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0433

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0434

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Altenbach, S.B. Howell, S.H. New York, Academic Press. Virology. July 15, 1981. v. 112 (5). p. 25-33. ill. 31 ref. (NAL Call No.: 448.8 V81).

0436

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0438

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0439

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0442

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0446

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0449

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(PLANT DISEASES - VIRAL)

0451

Properties of turnip yellow mosaic virus in cesium chloride solutions: the formation of high-density components.

Noort, A. Dries, C.L.A.M. van den; Pleij, C.W.A.; Jaspars, E.M.J.; Bosch, L. New York, Academic Press. Virology. July 30, 1982. v. 120 (2). p. 412-421. 2 p. ref. (NAL Call No.: 448.8 V81).

0452

Sources and nature of resistance to downy mildew and turnip mosaic in Chinese cabbage (*Peronospora parasitica*, disease screen, *Brassica campestris*).

Niu, X.K. JOSHB. Leung, H.; Williams, P.H. Alexandria : The Society. Journal of the American Society for Horticultural Science. Sept 1983. v. 108 (5). p. 775-778. ill. Includes references. (NAL Call No.: 81 S012).

0453

Spermidine, an intrinsic component of turnip yellow mosaic virus.

Cohen, S.S. Greenberg, M.L. Washington, D.C., The Academy. Proceedings of the National Academy of Sciences of the United States of America. Sept 1981. v. 78 (9). p. 5470-5474. 16 ref. (NAL Call No.: 500 N21P).

0454

Strand-specific viral DNA synthesis in purified viroplasms isolated from turnip leaves infected with cauliflower mosaic virus.

VIRLA. Mazzolini, L. Bonneville, J.M.; Volovitch, M.; Magazin, M.; Yot, P. New York, N.Y. : Academic Press. Virology. Sept 1985. v. 145 (2). p. 293-303. ill. Includes references. (NAL Call No.: DNAL 448.8 V81).

0455

The structure of cauliflower mosaic virus. I. pH (hydrogen-ion concentration)-induced structural changes (Turnips).

Al Ani, R. Pfeiffer, P. New York, Academic Press. Virology. Feb 1979. v. 93 (1). p. 175-187. ill. 16 ref. (NAL Call No.: 448.8 V81).

0456

Synthesis in vitro of infectious RNA copies of the virulent satellite of turnip crinkle virus.

VIRLA. Simon, A.E. Howell, S.H. Duluth, Minn. : Academic Press. Virology. Jan 1987. v. 156 (1). p. 146-152. ill. Includes references. (NAL Call No.: DNAL 448.8 V81).

0457

Transfer RNA-like structures in viral genomes (Includes Turnip Yellow mosaic virus, Brome mosaic virus, Tobacco mosaic virus).

Hall, T.C. New York, Academic Press. International review of cytology. 1979. Literature review. v. 60. p. 1-26. ill. Bibliography p. 23-26. (NAL Call No.: 442.8 IN82).

0458

Transmission of cauliflower mosaic virus by the green peach, turnip, cabbage, and pea aphids (*Myzus persicae*, *Hyadaphis erysimi*, *Brevicoryne brassicae*, *Acyrtosiphon pisum*).

Namba, R. Sylvester, E.S. College Park, Md., Entomological Society of America. Journal of economic entomology. Oct 1981. v. 74 (5). p. 546-551. 17 ref. (NAL Call No.: 421 J822).

0459

Turnip mosaic virus in the Illinois horseradish germ plasm collection.

PLDRA. Horwitz, D.K. Fletcher, J.; D'Arcy, C.J.; Rhodes, A.M. St. Paul, Minn. : American Phytopathological Society. Plant disease. Mar 1985. v. 69 (3). p. 246-248. Includes 15 references. (NAL Call No.: DNAL 1.9 P69P).

0460

Turnip yellow mosaic virus and its capsid have thermal stabilities with opposite pH dependence: studies by differential scanning calorimetry and ³¹P nuclear magnetic resonance spectroscopy.

VIRLA. Virudachalam, R. Low, P.S.; Argos, P.; Markley, J.L. New York, N.Y. : Academic Press. Virology. Oct 30, 1985. v. 146 (2). p. 213-220. ill. Includes references. (NAL Call No.: DNAL 448.8 V81).

0461

Turnip yellow mosaic virus RNA-replicase contains host and virus-encoded subunits.

Mouches, C. Candresse, T.; Bove, J.M. New York, N.Y. : Academic Press. Virology. Apr 15, 1984. v. 134 (1). p. 78-90. ill. Includes references. (NAL Call No.: 448.8 V81).

0462

Ultrastructure of turnip crinkle- and saguaro cactus virus-infected tissues.

Russo, M. Martelli, G.P. New York, Academic Press. Virology. Apr 15, 1982. v. 118 (1). p. 109-116. ill. Includes 1 p. ref. (NAL Call No.: 448.8 V81).

0463

The white-rust disease of horseradish /by R.M. Endo and M.B. Linn.

Endo, R. M. Linn, M. B. _1908-. Urbana, Ill. : University of Illinois, Agricultural Experiment Station, 1960. Cover title.- "The material in this publication is a portion of the dissertation submitted by the senior author to the Graduate College, University of Illinois, in partial fulfillment of the requirements for the Ph. D degree."--P. 3. 56 p. : ill. ; 23 cm. Bibliography: p. 55-56. (NAL Call No.: DNAL 100 I16S no.655).

0464

Yellow dwarf, a virus disease of onions, and its control /by W.J. Henderson.

Henderson, W. J. Ames, Iowa : Agricultural Experiment Station, Iowa State College of Agriculture and Mechanic Arts, 1935. p. 212-255 : ill., charts, maps ; 22 cm. Bibliography: p. 255. (NAL Call No.: DNAL 100 Io9 no.188).

PLANT DISEASES - PHYSIOLOGICAL

0465

Boron nutrition of carrots and table beets grown in a boron deficient soil.

CSOSA2. Gupta, U.C. Cutcliffe, J.A. New York, N.Y. : Marcel Dekker. Communications in soil science and plant analysis. 1985. v. 16 (5). p. 509-516. Includes 14 references. (NAL Call No.: DNAL S590.C63).

0471

Stress-related compounds in water-stressed carrots and celery.

Lund, E.D. White, J.M. s.l. : The Society. Proceedings of the ... annual meeting of the Florida State Horticulture Society. 1986 (pub. 1987). v. 99. p. 100-102. Includes references. (NAL Call No.: DNAL SB319.2.F6F56).

0466

Boron use in the table beet and the relation of short-term boron stress to blackheart injury.

JOSHB. Halbrooks, M.C. Peterson, L.A. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Sept 1986. v. 111 (5). p. 751-757. ill. Includes references. (NAL Call No.: DNAL 81 S012).

0467

Calcium-related leaf necrosis of seedling carrots.

Tibbitts, T.W. JOSHB. Setiamihardja, R.; Palzkill, D.P.; Olszyk, D.M. Alexandria : The Society. Journal of the American Society for Horticultural Science. Nov 1983. v. 108 (6). p. 1017-1019. ill. Includes references. (NAL Call No.: 81 S012).

0468

Cavity spot of carrots--a pot experiment on cation effects.

Scaife, M.A. Turner, M.K.; Hunt, J.; Barnes, A. New York, Marcel Dekker. Communications in soil science and plant analysis. 1981. v. 12 (9). p. 897-908. ill. 9 ref. (NAL Call No.: S590.C63).

0469

Effect of vitamin B1 on vegetable transplants Transplant shock .

CAGRA. Kontaxis, D.G. Cox, D. Berkeley : The Station. California agriculture - California Agricultural Experiment Station. Sept 1984. v. 38 (9). p. 15-16. ill. (NAL Call No.: DNAL 100 C12CAG).

0470

Protoplasmic swelling as a symptom of freezing injury in onion bulb cells: its simulation in extracellular KCl and prevention by calcium.

PLPHA. Arora, R. Palta, J.P. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. Oct 1986. v. 82 (2). p. 625-629. ill. Includes references. (NAL Call No.: DNAL 450 P692).

MISCELLANEOUS PLANT DISORDERS

0472

Cavity spot of carrots: an association with soil ammonium.

Scaife, M.A. Burton, A.K.; Turner, M.K. New York, Marcel Dekker. Communications in soil science and plant analysis. 1980. v. 11 (6). p. 621-628. ill. 9 ref. (NAL Call No.: S590.C63).

0473

Comparative toxicity of 131,596 chemicals to plant seeds (Corn, wild oats, cotton, soybean, radish).

Kenaga, E.E. New York, Academic Press. Ecotoxicology and environmental safety. Dec 1981. v. 5 (4). p. 469-475. Includes 5 ref. (NAL Call No.: QH545.A1E29).

0474

Covariate measurements for increasing the precision of plant response to O₃ (ozone) and SO₂ (sulfur dioxide, air pollution, radish, lettuce).

Ormrod, D.P.HJHSA. Tingey, D.T.; Gumpertz, M. Alexandria : American Society for Horticultural Science. HortScience. Dec 1983. v. 18 (6,sec.1). p. 896-898. Includes references. (NAL Call No.: SB1.H6).

0475

Effect of excess boron on broccoli, cauliflower, and radish.

JOSHB. Francois, L.E. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. July 1986. v. 111 (4). p. 494-498. Includes references. (NAL Call No.: DNAL 81 S012).

0476

Effect of SC-7245 on enzyme activity in corn and radish (Herbicide, phytotoxicity).

Devlin, R.M.PNWSB. Zbiec, I.I.; Karczmarczyk, J. Beltsville : The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1983. 1983. (37th). p. 133-141. Includes references. (NAL Call No.: 79.9 N814).

0477

The effect of using copper for mitigating histosol subsidence on. 3. The yield and nutrition of minicarrots, carrots, and onions grown in histosols, mineral sublayers, and their mixtures (Cultivated organic soils, phytotoxicity, Quebec).

Levesque, M.P. Mathur, S.P. Baltimore, Md. : Williams & Wilkins. Soil science. Aug 1984. v. 138 (2). p. 127-137. ill. Includes references. (NAL Call No.: 56.8 S03).

0478

Effects of freezing and cold weather on immature onions /by Roy Magruder and Leslie R. Hawthorn.

Magruder, Roy, 1900-. Hawthorn, L. R. 1902-. Washington, D.C. : U.S. Dept. of Agriculture, 1935. Caption title.~ "Contribution from Bureau of Plant Industry.". 12 p. : ill. ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 1 Ag84C no.355).

0479

Effects of nitrapyrin and nitrogen fertilizers on ultrastructure of mesophyll chloroplasts of radish (Nitrification inhibitor, Raphanus sativus, toxicity, chlorosis and chlorotic mottling of leaves).

Rufner, R. Barker, A.V.; Boucher, J.P.; Kroll, W.; Hosmer, T.A. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Mar 1984. v. 109 (2). p. 139-144. ill. Includes references. (NAL Call No.: 81 S012).

0480

Growth and cadmium uptake by lettuce and radish fertilized with cadmium, zinc, and sewage sludge.

Hortenstine, C.C. n.p., The Society. Proceedings - Soil and Crop Science Society of Florida. 1980. v. 39. p. 58-62. 12 ref. (NAL Call No.: 56.9 S032).

0481

Growth and mineral composition of radish in response to nitrification inhibitors.

JOSHB. Stratton, M.L. Barker, A.V. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Jan 1987. v. 112 (1). p. 13-17. Includes 22 references. (NAL Call No.: DNAL 81 S012).

0482

Growth of radish and marigold following repeated exposure to nitrogen dioxide, sulfur dioxide, and ozone.

Reinert, R.A. Sanders, J.S. St. Paul, Minn., American Phytopathological Society. Plant disease. Feb 1982. v. 66 (2). p. 122-124. Includes 8 ref. (NAL Call No.: 1.9 P69P).

0483

Herbicide tolerance to Asgrow Seed Company's parent lines of sweet spanish onions (Weed control, Oregon).

Stranger, C.E.DASPA. Corvallis : The Station. Special report - Agricultural Experiment Station, Oregon State University. June 1983.

(MISCELLANEOUS PLANT DISORDERS)

June 1983. (683). p. 61-65. (NAL Call No.: 100 OR3M).

0484

In vitro metabolism of pentachloronitrobenzene to pentachloromethylthiobenzene by onion: characterization of glutathione S-transferase, cysteine C-S lyase, and S-adenosylmethionine methyl transferase activities.
Lamoureux, G.L. Rusness, D.G. New York, Academic Press. Pesticide biochemistry and physiology. Aug 1980. v. 14 (1). p. 50-61. ill. 33 ref. (NAL Call No.: SB951.P49).

0485

Inhibition of photosynthesis by ethylene--a stomatal effect (Includes peanuts, sweet potato, Jerusalem artichoke, sunflowers).
Pallas, J.E. Jr. Kays, S.J. Rockville, Md., American Society of Plant Physiologists. Plant physiology. Apr 1981. Abstract only. v. 67 (4). p. 18. ill. (NAL Call No.: 450 P692).

0486

Inhibition of pigment synthesis by 1,3-dimethyl-4-(2,4-dichlorobenzoyl)-5-hydroxy-pyrazole, norflurazon, and new herbicidal compounds in radish and flatsedge plants.
PCBPB. Soeda, T. Uchida, T. Duluth, Minn. : Academic Press. Pesticide biochemistry and physiology. Spet 1987. v. 29 (1). p. 35-42. Includes references. (NAL Call No.: DNAL SB951.P49).

0487

Inhibitory effects of ammoniacal nitrogen on growth of radish plants. I. Characterization of toxic effects of NH₄⁺ (ammonium ion) on growth and its alleviation by NO₃ (nitrate ion).
Goyal, S.S. Lorenz, O.A.; Huffaker, R.C. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. Jan 1982. v. 107 (1). p. 125-129. ill. Includes 14 ref. (NAL Call No.: 81 S012).

0488

Inhibitory effects of ammoniacal nitrogen on growth of radish plants. II. Investigation on the possible causes of ammonium toxicity to radish plants and its reversal by nitrate.
Goyal, S.S. Huffaker, R.C.; Lorenz, O.A. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. Jan 1982. v. 107 (1). p. 130-135. Includes 33 ref. (NAL Call No.: 81 S012).

0489

Land application of oil (Phytotoxicity, turnips, Oklahoma, Texas).
Raymond, R.L. Hudson, J.O.; Jamison, V.W. New York, The Institute. Water - American Institute of Chemical Engineers. 1979. v. 75 (190). p. 340-356. 4 ref. (NAL Call No.: TD365.A41).

0490

Metolachlor and alachlor effects on membrane permeability and lipid synthesis (Herbicides, phytotoxicity, using roots of corn, soybean, cotton, cucumber, onion).
Mellis, J.M. Pillai, P.; Davis, D.E.; Truelove, B. Champaign, Ill., Weed Science Society of America. Weed science. July 1982. v. 30 (4). p. 399-404. ill. 27 ref. (NAL Call No.: 79.8 W41).

0491

Mineral composition of radish in response to nitrapyrin and nitrogen sources (Nutrition, ammonium toxicity, sewage sludge).
Torrey, D.C. Stratton, M.L.; Barker, A.V. Alexandria, The Society. Journal of the American Society for Horticultural Science. Sept 1982. v. 107 (5). p. 784-788. ill. 19 ref. (NAL Call No.: 81 S012).

0492

Moderate dosages of ozone enhance infection of onion leaves by Botrytis cinerea but not by Botrytis squamosa.
Rist, D.L. Lorbeer, J.W. St. Paul, Minn. : American Phytopathological Society. Phytopathology. July 1984. v. 74 (7). p. 761-767. ill. Includes references. (NAL Call No.: 464.8 P56).

0493

Nonpoint source loading of toxic substances from decomposing crop residue (Watersheds, corn, barley, toxicity to turnip).
Glenn, S. College Park : The Center. Technical report - Maryland, University, Water Resources Research Center. Aug 1983. Aug 1983. (76). 14 p. Includes references. (NAL Call No.: TD423.A1M3).

0494

Onion responses to various salinity levels.
JOSHB. Wannamaker, M.J. Pike, L.M. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Jan 1987. v. 112 (1). p. 49-52. ill. Includes 14 references. (NAL Call No.: DNAL 81 S012).

0495

Ozone degrades into hydroxyl radical under physiological conditions. A spin trapping study (Photochemical air pollutant, cause of lesions on plant leaves, toxicity, *Daucus carota*, carrots).

Grimes, H.D. PLPHA. Perkins, K.K.; Boss, W.F. Rockville : American Society of Plant Physiologists. Plant physiology. Aug 1983. v. 72 (4). p. 1016-1020. Includes references. (NAL Call No.: 450 P692).

0496

Pendimethalin and oxyfluorfen for selective weed control in seeded onions.

WSWPA. Anderson, W.P. Hoxworth, G. Reno : The Society. Proceedings - Western Society of Weed Science. 1985. v. 38. p. 196-201. (NAL Call No.: DNAL 79.9 W52).

0497

Persistence of hormone-type herbicide residue in tissue of susceptible crop plants (Tomatoes, soybeans, turnips).

Sirons, G.J. Anderson, G.W.; Frank, R.; Ripley, B.D. Champaign : Weed Science Society of America. Weed science. Nov 1982. v. 30 (6). p. 572-578. ill. 12 ref. (NAL Call No.: 79.8 W41).

0498

Physiological effects of SC-7245 on Corn and radish (Herbicide, phytotoxicity).

Devlin, R.M. PNWSB. Zbiec, I.I.; Karczmarczyk, S.J. Beltsville : The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1983. 1983. (37th). p. 126-132. Includes references. (NAL Call No.: 79.9 N814).

0499

Plant contamination by PCBs from amended soils (Beets, *Beta vulgaris*, turnips, *Brassica rapa*, and beans, *Phaseolus vulgaris*).

Sawhney, B.L. Hankin, L. Ames : International Association of Milk, Food, and Environmental Sanitarians. Journal of food protection. Mar 1984. v. 47 (3). p. 232-236. Includes references. (NAL Call No.: 44.8 J824).

0500

Precision and accuracy of visual foliar injury assessments (Bean, pea, radish, spinach, air pollution).

Gumpertz, M.L. Tingey, d.T.; Hogsett, W.E. Madison, Wis., American Society of Agronomy. Journal of environmental quality. July/Sept 1982. v. 11 (3). p. 549-553. 18 ref. (NAL Call No.: QH540.J6).

0501

Protoplasmic swelling as a symptom of freezing injury in onion bulb cells: its simulation in extracellular KCl and prevention by calcium.

PLPHA. Arora, R. Palta, J.P. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. Oct 1986. v. 82 (2). p. 625-629. ill. Includes references. (NAL Call No.: DNAL 450 P692).

0502

Rapid methods in studies on the genetic changes induced by chemicals (Onion roots (*Allium test*), bacteria (Ames' test)).

Mikucki, J. JPFCD. Kozera, W.; Klein, M.; Bakuniak, E. New York : Marcel Dekker. Journal of environmental science and health. Part B. Pesticides, food contaminants, and agricultural wastes. 1983. v. 18 (4/5). p. 529-551. Includes references. (NAL Call No.: TD172.J61).

0503

Rates of sulfide oxidation in cotton, carrot, and tobacco cultured plant cells measured with a model aromatic alkyl-sulfide (Pesticides, phytotoxicity).

Blair, L.C. Slife, F.W.; Felsot, A.; Plewa, M.J. New York, N.Y. : Academic Press. Pesticide biochemistry and physiology. June 1984. Literature review. v. 21 (3). p. 291-300. ill. Includes references. (NAL Call No.: SB951.P49).

0504

The response of radish to nitrogen dioxide, sulfur dioxide, and ozone (air pollutants), alone and in combination.

Reinert, R.A. Gray, T.N. Madison, Wis., American Society of Agronomy. Journal of environmental quality. Apr/June 1981. v. 10 (2). p. 240-243. 16 ref. (NAL Call No.: QH540.J6).

0505

The response of seedling onions to fluazifop-butyl and bromoxynil.

WSWPA. Colwell, S.G. Reno : The Society. Proceedings - Western Society of Weed Science. 1984. v. 37. p. 161. (NAL Call No.: DNAL 79.9 W52).

0506

Response of tomato (*Lycopersicon esculentum*) and onion (*Allium cepa*) to several postemergence grass herbicides (Phytotoxicity).

Johnson, J.R. Hopen, H.J. Champaign : Weed Science Society of America. Weed science. Mar 1984. v. 32 (2). p. 168-173. ill. Includes references. (NAL Call No.: 79.8 W41).

(MISCELLANEOUS PLANT DISORDERS)

0507

Responses of radish to all combinations of three concentrations of nitrogen dioxide, sulfur dioxide, and ozone (Air pollutants).
Reinert, R.A. Shriner, D.S.; Rawlings, J.O.
Madison, Wis., American Society of Agronomy.
Journal of environmental quality. Jan/Mar 1982.
v. 11 (1). p. 52-57. 20 ref. (NAL Call No.: QH540.U6).

0508

Studies on freezing injury in plant cells. II. Protein and lipid changes in the plasma membranes of Jerusalem artichoke tubers during a lethal freezing in vivo.
PLPHA. Uemura, M. Yoshida, S. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. Jan 1985. v. 80 (1). p. 187-195.
ill. Includes 34 references. (NAL Call No.: DNAL 450 P692).

0509

Trifluralin effects on carrot callus tissue (Dinitroaniline herbicides).
Sloan, M.E. Camper, N.D. New York, Academic Press. Pesticide biochemistry and physiology. June 1981. v. 15 (3). p. 201-208. 30 ref. (NAL Call No.: SB951.P49).

0510

Weight changes of radish and marigold exposed at three ages to NO₂, SO₂, and O₃, (Nitrogen, sulfur dioxide and ozone) alone and in mixture.
Sanders, J.S. Reinert, R.A. Alexandria, The Society. Journal of the American Society for Horticultural Science. Sept 1982. v. 107 (5). p. 726-730. 13 ref. (NAL Call No.: 81 S012).

0511

Wild garlic control in Illinois /by J.J. Pieper and L.F. Rickey.
Pieper, J. J. 1886-1939. Rickey, Lacy Fletcher, 1890-. Urbana, Ill. : University of Illinois College of Agriculture and Agricultural Experiment Station, 1930. 15 p. : ill., maps ; 23 cm. (NAL Call No.: DNAL 275.29 IL62C no.353).

PROTECTION OF PLANT PRODUCTS - GENERAL AND MISC.

0512

Evaluation of insecticides for Thrips tabaci (Thysanoptera: Thripidae) and effects of thrips on bulb onions.

JEENAI. Mayer, D.F. Lunden, J.D.; Rathbone, L. College Park, Md. : Entomological Society of America. Journal of economic entomology. Aug 1987. v. 80 (4). p. 930-932. Includes references. (NAL Call No.: DNAL 421 J822).

0513

Laboratory evaluation of pink root and fusarium basal rot resistance in garlic.

PLDRA. Rengwalska, M.M. Simon, P.W. St. Paul, Minn. : American Phytopathological Society. Plant disease. July 1986. v. 70 (7). p. 670-672. Includes 27 references. (NAL Call No.: DNAL 1.9 P69P).

0514

Market diseases of asparagus, onions, beans, peas, carrots, celery, and related vegetables / by Marion A. Smith, Lacy P. McColloch, and Bernard A. Friedman .

Smith, M. A. 1897-. McColloch, Lacy Porter, 1907-; Friedman, B. A. 1909-; Ramsey, Glen B. 1889-. Washington, D.C. : U.S. Dept. of Agriculture, Agricultural Research Service, Market Quality Research Division, 1966. Revision of and supersedes Market diseases of fruits and vegetables: asparagus, onions, beans, peas, carrots, celery, and related vegetables, by G.B. Ramsey and J.S. Wiant, issued as U.S. Dept. of Agriculture. Miscellaneous publication no. 440. iv, 65 p. : 17 plates (part col.) ; 24 cm. Bibliography: p. 56-65. (NAL Call No.: DNAL 1 Ag84Ah no.303).

0515

Market diseases of cabbage, cauliflower, turnips, cucumbers, melons, and related crops / Glen B. Ramsey and M.A. Smith .

Ramsey, Glen B. 1889-. Smith, Marion Ashton. Washington, D.C. : U.S. Dept. of Agriculture, Agricultural Marketing Service, Market Quality Research Division, 1961. 49 p., 24 p. of plates : ill. (some col.) ; 23 cm. Bibliography: p. 45-49. (NAL Call No.: DNAL 1 Ag84Ah no.184).

0516

Market diseases of fruits and vegetables asparagus, onions, beans, peas, carrots, celery, and related vegetables /by Glen B. Ramsey and James S. Wiant.

Ramsey, Glen B. 1889-. Wiant, James S. 1900-. Washington, D.C. : U.S. Dept. of Agriculture, 1941. Cover title.~ "September 1941.". 70 p., 15 leaves of plates : ill. (some col.) ; 23 cm. Bibliography: p. 60-70. (NAL Call No.: DNAL 1 Ag84M no.440).

0517

Notes on storage of onion blubs grown in central Oregon.

OASPA. Nelson, J.L. Mansour, N.S. Corvallis, Or. : The Station. Special report - Oregon State University, Agricultural Experiment Station. July 1985. (747). p. 68-71. Includes references. (NAL Call No.: DNAL 100 OR3M).

0518

Selection for resistance of onions to Botrytis allii by scale inoculation method.

HJHSA. Miyaaura, K. Shinada, Y.; Gabelman, W.H. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1985. v. 20 (4). p. 769-770. Includes 6 references. (NAL Call No.: DNAL SB1.H6).

0519

Storage conditions, quality, price trends, and their relation to profitable onion storage / Harry M. Cleaver .

Cleaver, H. M. 1899-. Lafayette, Ind. : Purdue University Agricultural Experiment Station, 1934. Cover title. 12 p. : ill. ; 24 cm. Bibliography: p. 11. (NAL Call No.: DNAL 100 In2P no.393).

0520

A study of artificial drying of onions to lower storage losses.

OASPA. Stanger, C.E. Corvallis, Or. : The Station. Special report - Oregon State University, Agricultural Experiment Station. Aug 1985. (748). p. 51-53. (NAL Call No.: DNAL 100 OR3M).

0521

Wild onion and wild garlic control /by L.V. Sherwood.

Sherwood, L. V. 1907-. Urbana, Ill. : University of Illinois, College of Agriculture, Extension Service in Agriculture and Home Economics, 1944. Caption title.~ Cover title: Wild onion and garlic. 7 p. : ill. ; 23 cm. (NAL Call No.: DNAL 275.29 I162c no.572).

0522

1984 onion variety trial at Madras, Oregon.

OASPA. Nelson, J.L. Mansour, N.S. Corvallis, Or. : The Station. Special report - Oregon State University, Agricultural Experiment Station. July 1985. (747). p. 63-67. (NAL Call No.: DNAL 100 OR3M).

PROTECTION OF PLANT PRODUCTS - INSECTS

0523

Impact of physical injury and commercial lifting on damage to onion bulbs by larvae of onion maggot (Diptera: Anthomyiidae).

JEENAI. Eckenrode, C.J. Nyrop, J.P. College Park, Md. : Entomological Society of America. Journal of economic entomology. Dec 1986. v. 79 (6). p. 1606-1608. Includes references. (NAL Call No.: DNAL 421 J822).

WEEDS

0524

Absorption and translocation of metobromuron and chlorbromuron (Herbicides, tomatoes, coriander, carrots).

Hogue, E.J. New York, Marcel Dekker. Journal of environmental science and health. Part B: Pesticides, food contaminants, and agricultural wastes. 1978. v. B13 (3). p. 323-339. ill. 14 ref. (NAL Call No.: TD172.J61).

0525

Absorption and translocation of 14C-chlorosulfuron and 14C-metsulfuron in wild garlic (Allium vineale).

WEESA6. Leys, A.R. Slife, F.W. Champaign, Ill. : Weed Science Society of America. Weed science. Jan 1988. v. 36 (1). p. 1-4. Includes references. (NAL Call No.: DNAL 79.8 W41).

0526

Annual grass control in spring planted carrots.

Arnold, R.N. Gregory, E.U.; Smeal, D. S.1. : Western Society of Weed Science. Research progress report - Western Society of Weed Science. 1987. p. 117-118. (NAL Call No.: DNAL 79.9 W52R).

0527

Barleygrass control in carrots with fluazifop-p-butyl and sethoxydim.

McReynolds, R. Vinal, R.; William, R.D. S.1. : Western Society of Weed Science. Research progress report - Western Society of Weed Science. 1986. p. 70. (NAL Call No.: DNAL 79.9 W52R).

0528

Broadleaf weed control in spring planted carrots.

Arnold, R.N. Gregory, E.U.; Smeal, D. S.1. : Western Society of Weed Science. Research progress report - Western Society of Weed Science. 1987. p. 119-120. (NAL Call No.: DNAL 79.9 W52R).

0529

Chemical weed control in onions.

Bullock, F.D. Athens, Ga. : The Service. Circular - Cooperative Extension Service, University of Georgia. Nov 1984. (762). 6 p. (NAL Call No.: DNAL 275.29 G29C).

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Common sunflower (Helianthus annuus) interference in onions (Allium cepa) (Weed densities, competition).

Menges, R.M. Tamez, S. Champaign, Ill., Weed Science Society of America. Weed science. Nov 1981. v. 29 (6). p. 641-647. ill. 13 ref. (NAL Call No.: 79.8 W41).

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WSWPA. Watkins, S.D. Hargrave, M.R. Reno : The Society. Proceedings - Western Society of Weed Science. 1984. v. 37. p. 70-75. (NAL Call No.: DNAL 79.9 W52).

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WEESA6. Wall, D.A. Kiehn, F.A.; Friesen, G.H. Champaign, Ill. : Weed Science Society of America. Weed science. Sept 1986. v. 34 (5). p. 761-764. Includes references. (NAL Call No.: DNAL 79.8 W41).

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PNWSB. Warholc, D.T. Ellerbrock, L.A.; Bellinder, R.R. Beltsville, Md. : The Society. Proceedings of the ... annual meeting - Northeastern Weed Science Society. 1987. v. 41. p. 120. (NAL Call No.: DNAL 79.9 N814).

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Troutman, Barry Clark. Ann Arbor, Mich. University Microfilms International 1979. Thesis--University of Arkansas, 1978. Facsimile produced by microfilm-xerography. vii, 51 leaves : ill. ; 28 cm. Bibliography: leaves 47-48. (NAL Call No.: DISS 78-23,238).

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Effect of several preemergence and post emergence herbicide treatments on quackgrass and wild radish control in white potatoes (*Agropyron repens*).

Murphy, H.J.PNWSB. Morrow, L.S. Beltsville : The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1983. 1983. (37th). p. 208-209. (NAL Call No.: 79.9 N814).

0537

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Jacobsohn, R. Kelman, Y. Champaign, Ill., Weed Science Society of America. Weed science. Nov 1980. v. 28 (6). p. 692-699. ill. 18 ref. (NAL Call No.: 79.8 W41).

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Effects of date and depth of burial on wild garlic (*Allium vineale*) plants (Weed control).

Peters, E.J. Lowance, S.A. Champaign, Ill., Weed Science Society of America. Weed science. Jan 1981. v. 29 (1). p. 110-113. 11 ref. (NAL Call No.: 79.8 W41).

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PNWSB. Lanterman, W.S. Warholic, D.T.; Ellerbrock, L.A.; Stachowski, P.J. Beltsville, Md. : The Society. Proceedings of the ... annual meeting - Northeastern Weed Science Society. 1985. v. 39. p. 184-187. (NAL Call No.: DNAL 79.9 N814).

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Campbell, W.F. Anderson, J.L. Alexandria, Va., American Society for Horticultural Science. HortScience. Oct 1980. v. 15 (5). p. 662-664. ill. 6 ref. (NAL Call No.: SB1.H6).

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An evaluation of grass herbicides for selective weed control in sweet Spanish onions.

OASPA. Stanger, C.E. Corvallis, Or. : The Station. Special report - Oregon State University, Agricultural Experiment Station. Aug 1985. (748). p. 54-58. (NAL Call No.: DNAL 100 OR3M).

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Sanok, W.J. Selleck, G.W. Beltsville, Md. Proceedings of the ... annual meeting Northeastern Weed Science Society. 1979. v. 33. p. 154-156. ill. 2 ref. (NAL Call No.: 79.9 N814).

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Sieczka, J.B. Creighton, J.F.; Sanok, W.J. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. p. 164-166. (NAL Call No.: 79.9 N814).

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OASPA. Stanger, C.E. Corvallis, Or. : The Station. Special report - Oregon State University, Agricultural Experiment Station. Aug 1985. (748). p. 59-60. (NAL Call No.: DNAL 100 OR3M).

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Guaranteed carrots.

ORGAA. Bilderback, D. Emmaus, Pa. : Rodale Press. Organic gardening. Dec 1985. v. 32 (12). p. 27-32. ill. (NAL Call No.: DNAL 57.8 OR32).

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Stranger, C.E.OASPA. Corvallis : The Station. Special report - Agricultural Experiment Station, Oregon State University. June 1983. June 1983. (683). p. 61-65. (NAL Call No.: 100 OR3M).

0547

Herbicide treatments and root diseases (*Pythium*, *Fusarium*, *Rhizoctonia solani*) of turnip in intensive cropping systems.

Sumner, D.R. Glaze, N.C. Beltsville, Md., Science and Education Administration, U.S. Dept. of Agriculture. Plant disease reporter. Sept 1979. v. 63 (9). p. 801-805. ill. 14 ref. (NAL Call No.: 1.9 P69P).

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Sanok, W.J. Selleck, G.W.; Creighton, J.F. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. 1980. v. 34. p. 407-411. ill. 2 ref. (NAL Call No.: 79.9 N814).

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Herbicides and dates of application for control and eradication of wild garlic (*Allium vineale*) (*Glycine max*, *Festuca arundinacea*, *Poa pratense*).

Peters, E.J. McKelvey, R.A. Champaign, Ill., Weed Science Society of America. Weed science. Sept 1982. v. 30 (5). p. 557-560. 7 ref. (NAL Call No.: 79.8 W41).

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Henne, R.C. PNWSB. Beltsville : The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1983. 1983. (37th). p. 165-169. Includes references. (NAL Call No.: 79.9 N814).

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Dusky, J.A. PFSHA. Lake Alfred : The Society. Proceedings of the ... annual meeting - Florida State Horticultural Society. 1982. v. 95. p. 339-342. Includes references. (NAL Call No.: 81 F66).

0552

Influence of Jerusalem artichoke (*Helianthus tuberosus*) density and duration of interference on soybean (*Glycine max*) growth and yield.

WEESA6. Wyse, D.L. Young, F.L.; Jones, R.U. Champaign, Ill. : Weed Science Society of America. Weed science. Mar 1986. v. 34 (2). p. 243-247. Includes 14 references. (NAL Call No.: DNAL 79.8 W41).

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Devlin, R.M. Zbiec, I.I.; Karczmarczyk, S.U. Champaign, Ill., Weed Science Society of America. Weed science. Sept 1982. v. 30 (5). p. 503-506. 7 ref. (NAL Call No.: 79.8 W41).

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Influence of weed control programs in intensive cropping systems.

WEESA6. Glaze, N.C. Dowler, C.C.; Johnson, A.W.; Sumner, D.R. Champaign, Ill. : Weed Science Society of America. Weed science. Nov 1984. v. 32 (6). p. 762-767. Includes 10 references. (NAL Call No.: DNAL 79.8 W41).

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Henne, R.C. Poulson, T.L. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. 1980. v. 34. p. 161-166. ill. 3 ref. (NAL Call No.: 79.9 N814).

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Interaction of crop plant population with weed competition in corn (*Zea mays* L.) bush snap beans (*Phaseolus vulgaris* L.), and onion (*Allium cepa* L.) at differing stages of development / by Clarence Frank Williams. -.

Williams, Clarence Frank, 1940-. 1971. Thesis (Ph.D.)--Oregon State University, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. 62 leaves ; 21 cm. Bibliography: leaves 59-62. (NAL Call No.: DISS 71-25,337).

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Long-term preplant applications of metolachlor for yellow nutsedge control in bulb onions.

Collins, C.K. Collins, R.L.; Kloft, P.J. S.1. : Western Society of Weed Science. Research progress report - Western Society of Weed Science. 1986. p. 72-74. (NAL Call No.: DNAL 79.9 W52R).

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A mechanism of chlorosis caused by 1,3-dimethyl-4-(2,4-dichlorobenzoyl)-5-hydroxypyrazole, a herbicidal compound (tested on rice and radish seedlings, and the weeds *Echinochloa crus-galli*, *Cyperus serotinus*).

Kwakubo, K. Shindo, M. Bethesda, Md., American Society of Plant Physiologists. Plant physiology. Nov 1979. v. 64 (5). p. 774-779. ill. 24 ref. (NAL Call No.: 450 P692).

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WSWPA. Hall, D.H. Reno : The Society. Proceedings - Western Society of Weed Science. 1984. v. 37. p. 155-158. (NAL Call No.: DNAL 79.9 W52).

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OASPA. Stanger, C.E. Corvallis, Or. : The Station. Special report - Oregon State University, Agricultural Experiment Station. Aug 1985. (748). p. 64-66. (NAL Call No.: DNAL 100 OR3M).

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Onion tolerance and weed control from postemergence applications of Goal (Herbicides, Oregon).
Stranger, C.E.OASPA. Corvallis : The Station. Special report - Agricultural Experiment Station, Oregon State University. June 1983. June 1983. (683). p. 53-58. (NAL Call No.: 100 OR3M).

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WSWPA. Anderson, W.P. Hoxworth, G. Reno : The Society. Proceedings - Western Society of Weed Science. 1985. v. 38. p. 196-201. (NAL Call No.: DNAL 79.9 W52).

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Precheur, R.J. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1982. v. 36. p. 117-123. (NAL Call No.: 79.9 N814).

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Postemergence-applied herbicides for weed control in onions (Oregon).
Stranger, C.E.OASPA. Corvallis : The Station. Special report - Agricultural Experiment Station, Oregon State University. June 1983. June 1983. (683). p. 49-52. (NAL Call No.: 100 OR3M).

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Postemergence grass control in onions.
Cudney, D.W. Orloff, S. S.I. : Western Society of Weed Science. Research progress report - Western Society of Weed Science. 1987. p. 226. (NAL Call No.: DNAL 79.9 W52R).

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Preplant shallow-incorporated herbicides for weed control in onions (Oregon).
Stranger, C.E.OASPA. Corvallis : The Station. Special report - Agricultural Experiment Station, Oregon State University. June 1983. June 1983. (683). p. 45-48. (NAL Call No.: 100 OR3M).

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Response of onion (Allium cepa) to annual weeds and postemergence herbicides (Bromoxynil, methazole, oxadiazon).
Menges, R.M. Tamez, S. Champaign, Ill., Weed Science Society of America. Weed science. Jan 1981. v. 29 (1). p. 74-79. ill. 17 ref. (NAL Call No.: 79.8 W41).

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The response of wild garlic (Allium vineale) to the timing of spray applications of chlorsulfuron.
WEESA6. Leys, A. Slife, F.W. Champaign, Ill. : Weed Science Society of America. Weed science. Sept 1986. v. 34 (5). p. 718-723. Includes references. (NAL Call No.: DNAL 79.8 W41).

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Henne, R.C. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1982. v. 36. p. 113-116. Includes 4 ref. (NAL Call No.: 79.9 N814).

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Today's weed: Jerusalem artichoke (Helianthus tuberosus, edible tubers, food source for diabetics).
Wyse, D.L. Wilfahrt, L. Champaign, Ill., Weeds Today, Inc. Weeds today. Early spring 1982. v. 13 (1). p. 14-16. ill. (NAL Call No.: SB610.W4).

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Today's weed: wild garlic (Allium vineale).
Anderson, L.E. Peters, E.J. Champaign : Weeds Today, Inc. Weeds today. Winter 1982. v. 13 (4). p. 7-8. (NAL Call No.: SB610.W4).

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Trifluralin effects on carrot callus tissue (Dinitroaniline herbicides).

Sloan, M.E. Camper, N.D. New York, Academic Press. Pesticide biochemistry and physiology. June 1981. v. 15 (3). p. 201-208. 30 ref. (NAL Call No.: SB951.P49).

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Variation of myristicin content in cultivated parsnip roots (*Pastinaca sativa* ssp. *sativa* var. *hortensis*).

Stahl, E. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. July/Aug 1981. v. 29 (4). p. 890-892. 4 ref. (NAL Call No.: 381 J8223).

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Weed control in cabbage and carrots grown under floating row covers.

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Weed control in carrots on organic soil (Herbicides).

McCollum, T.G. Locascio, S.J.; Scudder, W.T. Champaign : The Society. Proceedings - Southern Weed Science Society. 1982. 1982. (35th). p. 129-134. 4 ref. (NAL Call No.: 79.9 S08).

0577

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Dinkel, D.H. Fairbanks : The Services. Publication - University of Alaska. Cooperative Extension Service. Division of Statewide Services. Mar 1985. (A-00140, rev.). 6 p. (NAL Call No.: DNAL 275.29 AL13P).

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Kurtz, E.A. Sacramento, Calif. : California Weed Conference Office. Proceedings - California Weed Conference. 1984. 1984. (36th). p. 113-114. (NAL Call No.: 79.9 C122).

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Weed control in onions from spring applied herbicides.

Stanger, C.E. Corvallis, Or., The Station. Special report. Oregon. Agricultural Experiment Station. June 1979. June 1979. (554). p. 28-30. 111. (NAL Call No.: 100 OR3M).

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Dusky, J.A. S.I. : The Society. Proceedings of the ... annual meeting of the Florida State Horticulture Society. June 1985. v. 97. p. 168-171. Includes references. (NAL Call No.: DNAL SB319.2.F6F56).

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Stanger, C.E. Corvallis, Or., The Station. Special report. Oregon. Agricultural Experiment Station. June 1979. June 1979. (554). p. 25-27. 111. (NAL Call No.: 100 OR3M).

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Bell, C.E. Durazo, A. III; Elmore, C.L. S.I. : Western Society of Weed Science. Research progress report - Western Society of Weed Science. 1987. p. 132. (NAL Call No.: DNAL 79.9 W52R).

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Weed, insect, and disease control guide: beets, carrots, lettuce, onions, parsnips, radishes, rutabagas, turnips, spinach.
Waters, Luther Jr. Boldt, Paul F.; Lofgren, John A. .; Noetzel, David M.; Pflieger, F. L.; Bissonnette, Howard L. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1981. Lists herbicides, insecticides and fungicide suggestions for beets, carrots, lettuce, onions, parsnips, radishes, rutabagas, turnips and spinach. 7 p. : ill. (NAL Call No.: Document available from source.)(NAL Call No.: Ext. Folder 600).

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Western Washington weed control guide (Table beets and spinach).
Peabody, D.V. WA. Pullman, Wash., The Service. Bulletin - Washington State University, Cooperative Extension Service. Sept 1980. Sept 1980. (0741). 4 p. (NAL Call No.: 275.29 W27P).

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Wild garlic its characteristics and control /by Elroy J. Peters, J.F. Stritzke, and Frank S. Davis.
Peters, Elroy J. 1922-. Stritzke, J. F. 1937-; Davis, Frank S. Washington, D.C. : Agricultural Research Service, U.S. Dept. of Agriculture in cooperation with Missouri Agricultural Experiment Station, 1965. Caption title. 23 p. : ill. ; 24cm. Bibliography: p. 22-23. (NAL Call No.: DNAL 1 Ag84Ah no.298).

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Wild garlic (Allium vineale) control with glyphosate.
Troutman, B.C. King, J.W.; Frans, R.E. Champaign, Ill., Weed Science Society of America. Weed science. Nov 1981. v. 29 (6). p. 717-722. 11 ref. (NAL Call No.: 79.8 W41).

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Wild garlic control.
Spinney, R.L. Appleby, A.P.; Brewster, B.D. S.l. : Western Society of Weed Science. Research progress report - Western Society of Weed Science. 1987. p. 3. (NAL Call No.: DNAL 79.9 W52R).

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Khodayari, K. Frans, R.E. Fayetteville, Ark., The Station. Arkansas farm research - Arkansas Agricultural Experiment Station. Nov/Dec 1981. v. 30 (6). p. 12. (NAL Call No.: 100 AR42F).

0590

Wild garlic control with glyphosate and phenoxy herbicides.
King, J.W. Fayetteville, Arkansas Agricultural Experiment Station. Arkansas farm research. Jan/Feb 1979. v. 28 (1). p. 15. ill. (NAL Call No.: 100 AR42F).

0591

Wild garlic its characteristics and control / by Elroy J. Peters, J.F. Stritzke, and Frank S. Davis. --.
Peters, Elroy J., 1922-. Washington, D.C. : Agricultural Research Service, U.S. Dept. of Agriculture in cooperation with the Missouri Agricultural Experiment Station, 1965. 23 p. : ill. --. Bibliography: p. 22-23. (NAL Call No.: DNAL Fiche S-85 no.298).

0592

Wild onion methods of eradication /by H.R. Cox.
Cox, H. R. 1882-. Washington, D.C. : U.S. Dept. of Agriculture, 1914. Caption title.~ "Contribution from the Bureau of Plant Industry." 8 p. : ill. ; 24 cm. (NAL Call No.: DNAL 1 Ag84F no.610).

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Wild onion methods of eradication /H.R. Cox. --.
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0594

Yellow nutsedge control in onions with metolachlor.
Anderson, W.P. Hoxworth, G. S.l. : Western Society of Weed Science. Research progress report - Western Society of Weed Science. 1987. p. 131. (NAL Call No.: DNAL 79.9 W52R).

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Mississippi State, Miss. : The Station. MAFES research highlights - Mississippi Agricultural & Forestry Experiment Station. May 1987. v. 50 (5). p. 3. ill. (NAL Call No.: DNAL 100 M69MI).

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Sieczka, J.B.PNWSB. Creighton, J.F.; Sanok, W.J. Beltsville : The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1983. 1983. (37th). p. 174-177. (NAL Call No.: 79.9 N814).

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1983 commercial results using sethoxydim in sugarbeets, onions for seed and ladino clover for seed under a crisis label in California.

WSWPA. Wiley, D.C. Reno : The Society. Proceedings - Western Society of Weed Science. 1984. v. 37. p. 163. (NAL Call No.: DNAL 79.9 W52).

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WSWPA. Wiley, D.C. Reno : The Society. Proceedings - Western Society of Weed Science. 1984. v. 37. p. 60-61. (NAL Call No.: DNAL 79.9 W52).

0599

Herbicides on onion crops. RUSSIAN.

Korostylev, N.P. Borisova, R.L. Moskva, Ministerstvo sel'skogo khoziaistva SSSR. Zashchita rastenii. May 1977. May 1977. (5). p. 20-21. (NAL Call No.: 421 Z1).

PESTICIDES - GENERAL

0600

Chemical control of foliar diseases of peanuts, peppers, and onions as affected by spray nozzle types, nozzle orientations, spray intervals, and adjuvants.

PLDRA. Kucharek, T.A. Cullen, R.E.; Stall, R.E.; Llewellyn, B. St. Paul, Minn. : American Phytopathological Society. Plant disease. June 1986. v. 70 (6). p. 583-586. Includes 15 references. (NAL Call No.: DNAL 1.9 P69P).

0601

Determination of disulfoton and permethrin residues (by gas chromatography) in an organic soil and their translocation into lettuce, onion and carrot.

Belanger, A. Hamilton, H.A. New York, Marcel Dekker. Journal of environmental science and health. Part B: Pesticides, food contaminants, and agricultural wastes. 1979. v. 14 (2). p. 213-226. ill. 7 ref. (NAL Call No.: TD172.J61).

0602

Determination of thiophanate methyl as a carbendazim by high-pressure liquid chromatography: application onions and cabbage (Fungicide residues).

Aten, C.F. Bourke, J.B.; Marafioti, R.A. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. May/June 1982. v. 30 (3). p. 610-611. ill. Includes 6 ref. (NAL Call No.: 381 J8223).

0603

Disappearance of acephate residues from beans, carrots, celery, lettuce, peppers, potatoes, strawberries, and tomatoes.

Frank, R. Ritchey, G.; Braun, H.E.; McEwen, F.L. College Park, Md. : Entomological Society of America. Journal of economic entomology. Oct 1984. v. 77 (5). p. 1110-1115. Includes 12 references. (NAL Call No.: 421 J822).

0604

The effect of aldicarb on nematode population and its persistence in carrots, soil and hydroponic solution (Pesticides, residues, Meloidogyne incognita, Meloidogyne hapla).

Lue, L.P. Lewis, C.C.; Melchor, V.E. New York, N.Y. : Marcel Dekker. Journal of environmental science and health. Part B. Pesticides, food contaminants, and agricultural wastes. 1984. v. 19 (3). p. 343-354. Includes references. (NAL Call No.: TD172.J61).

0605

The effect of fonofos and carbofuran on microbiological population, and persistence of fonofos in four organic soils infested with onion maggot (Hylemya antiqua).

Belanger, A. Mathur, S.P.; Martel, P. New York, Marcel Dekker. Journal of environmental science and health. Part B: Pesticides, food contaminants, and agricultural wastes. 1982. v. 17 (2). p. 171-182. Includes 14 ref. (NAL Call No.: TD172.J61).

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Effect of SC-7245 on enzyme activity in corn and radish (Herbicide, phytotoxicity).

Devlin, R.M. PNWSB. Zbiec, I.I.; Karczmarczyk, J. Beltsville : The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1983. 1983. (37th). p. 133-141. Includes references. (NAL Call No.: 79.9 N814).

0607

Effects of aspartate and other compounds on glyphosate uptake and growth inhibition in cultured carrot cells (Daucus carota, nonselective herbicides).

Nafziger, E.D. PLPHA. Widholm, J.M.; Slife, F.W. Rockville : American Society of Plant Physiologists. Plant physiology. Mar 1983. v. 71 (3). p. 623-626. Includes references. (NAL Call No.: 450 P692).

0608

Effects of dimethoate (systemic insecticide) on honey bee (Apis mellifera) colonies (Onion, nectar contamination, toxicity).

Waller, G.D. Barker, R.J. College Park, Md., Entomological Society of America. Journal of economic entomology. Aug 15, 1979. v. 72 (4). p. 549-551. ill. 10 ref. (NAL Call No.: 421 J822).

0609

Effects of selected insecticides and herbicides on free sugar contents of carrots.

Rouchaud, J. JAFCA. Moons, C.; Meyer, J.A. Washington : American Chemical Society. Journal of agricultural and food chemistry. Mar/Apr 1983. v. 31 (2). p. 206-210. Includes references. (NAL Call No.: 381 J8223).

0610

Effects of soil treatment with the insecticide chlorfevinphos and covering of the culture with plastic film on the provitamin A content of early carrots (Effects of pesticides on nutritional value of quality of foods).

Rouchaud, J. JAFCA. Moons, C.; Meyer, J.A.

Washington : American Chemical Society. Journal of agricultural and food chemistry. Nov/Dec 1982. v. 30 (6). p. 1036-1038. Includes references. (NAL Call No.: 381 J8223).

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Establishment of residue analysis of propanil (Dichloropropionanilide), linuron and diphenamide in agricultural commodities.
JFPRDR. Ito, Y. Suzuki, H.; Ogawa, S.; Iwaida, M. Ames, Iowa : International Association of Milk, Food, and Environmental Sanitarians. Journal of food protection. Apr 1985. v. 48 (4). p. 320-324. ill. Includes 6 references. (NAL Call No.: DNAL 44.8 J824).

0612

Extractable and bound (nonextractable) residues of (the herbicide) prometryn and its metabolites in an organic soil (Includes uptake by carrots).

Khan, S.U. Hamilton, H.A. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Jan/Feb 1980. v. 28 (1). p. 126-132. ill. 22 ref. (NAL Call No.: 381 J8223).

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Extraction of biologically incorporated (14C (carbon isotope)phorate residues from root crops (Pesticides, potatoes, carrots, radishes).

Sonobe, H. Carver, R.A.; Krause, R.T.; Kamps, L.R. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. July/Aug 1982. v. 30 (4). p. 696-702. ill. 14 ref. (NAL Call No.: 381 J8223).

0614

Extraction of biologically incorporated (14C)Carbofuran (carbon-labeled carbofuran) residues from root crops (Carrot and radish plants).

Sonobe, H. JAFCA. Carver, R.A.; Krause, R.T.; Kamps, L.R. Washington : American Chemical Society. Journal of agricultural and food chemistry. Jan/Feb 1983. v. 31 (1). p. 96-104. 2 p. ref. (NAL Call No.: 381 J8223).

0615

Extraction of pentachlorophenol and tetrachlorophenol residues from field-contaminated carrots and potatoes: comparison of several methods.

Bruns, G.W. Currie, R.A. Arlington, Va., The Association. Journal of the Association of Official Analytical Chemists. Association of Official Analytical Chemists. Jan 1980. v. 63

(1). p. 56-60. ill. (NAL Call No.: 381 AS7).

0616

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Bardalaye, P. Wheeler, W.B. Arlington, Va. : The Association. Journal of the Association of Official Analytical Chemists. Mar/Apr 1984. v. 67 (2). p. 280-284. ill. Includes references. (NAL Call No.: 381 AS7).

0617

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Wilkes, P.S. Arlington, Va., The Association. Journal of the Association of Official Analytical Chemists. Sept 1981. v. 64 (5). p. 1208-1210. ill. 5 ref. (NAL Call No.: 381 AS7).

0618

In vitro metabolism of pentachloronitrobenzene to pentachloromethylthiobenzene by onion: characterization of glutathione S-transferase, cysteine C-S lyase, and S-adenosylmethionine methyl transferase activities.

Lamoureux, G.L. Rusness, D.G. New York, Academic Press. Pesticide biochemistry and physiology. Aug 1980. v. 14 (1). p. 50-61. ill. 33 ref. (NAL Call No.: SB951.P49).

0619

Inhibition of pigment synthesis by 1,3-dimethyl-4-(2,4-dichlorobenzoyl)-5-hydroxypyrazole, norflurazon, and new herbicidal compounds in radish and flatsedge plants.
PCBPB. Soeda, T. Uchida, T. Duluth, Minn. : Academic Press. Pesticide biochemistry and physiology. Spet 1987. v. 29 (1). p. 35-42. Includes references. (NAL Call No.: DNAL SB951.P49).

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Sonobe, H. Kamps, L.V.R.; Mazzola, E.P.; Roach, J.A. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Nov/Dec 1981. v. 29 (6). p. 1125-1129. ill. 19 ref. (NAL Call No.: 381 J8223).

(PESTICIDES - GENERAL)

0621

Levels of DCPA, MTP, TPA, and hexachlorobenzene in radish roots and tops (Herbicide residues).
Archer, T.E. Gauer, W.D. Alexandria, Va., American Society for Horticultural Science. HortScience. Apr 1980. v. 15 (2). p. 146-147. ill. 5 ref. (NAL Call No.: SB1.H6).

0622

A method for determining fenamiphos and its sulfoxide and sulfone in plants and soil (Nematocide-insecticide residues in soil, raspberries, carrots).
Brown, M.J. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Nov/Dec 1981. v. 29 (6). p. 1129-1132. ill. 5 ref. (NAL Call No.: 381 J8223).

0623

Metolachlor and alachlor effects on membrane permeability and lipid synthesis (Herbicides, phytotoxicity, using roots of corn, soybean, cotton, cucumber, onion).
Mellis, J.M. Pillai, P.; Davis, D.E.; Truelove, B. Champaign, Ill., Weed Science Society of America. Weed science. July 1982. v. 30 (4). p. 399-404. ill. 27 ref. (NAL Call No.: 79.8 W41).

0624

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WSWPA. Hall, D.H. Reno : The Society. Proceedings - Western Society of Weed Science. 1984. v. 37. p. 155-158. (NAL Call No.: DNAL 79.9 W52).

0625

Onion fly trap catch as affected by release rates of n-dipropyl disulfide from polyethylene enclosures (Hylemya anitqua).
Dindonis, L.L. Miller, J.R. New York, Plenum Press. Journal of chemical ecology. Mar 1981. v. 7 (2). p. 411-417. ill. 18 ref. (NAL Call No.: QD415.A1U6).

0626

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WSWPA. Anderson, W.P. Hoxworth, G. Reno : The Society. Proceedings - Western Society of Weed Science. 1985. v. 38. p. 196-201. (NAL Call No.: DNAL 79.9 W52).

0627

Persistence of (the insecticide) fensulfothion in a sandy-loam soil and uptake by rutabagas, carrots and radishes using microplots.
Greenhalgh, R. Read, D.C. New York, Marcel Dekker. Journal of environmental science and health. Part B: Pesticides, food contaminants, and agricultural wastes. 1981. v. B16 (3). p. 363-379. ill. 15 ref. (NAL Call No.: TD172.J61).

0628

Persistence of hormone-type herbicide residue in tissue of susceptible crop plants (Tomatoes, soybeans, turnips).
Siron, G.J. Anderson, G.W.; Frank, R.; Ripley, B.D. Champaign : Weed Science Society of America. Weed science. Nov 1982. v. 30 (6). p. 572-578. ill. 12 ref. (NAL Call No.: 79.8 W41).

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Persistence of isofenphos and isazophos in a mineral and an organic soil (Insecticides, radishes and carrots as indicator crops).
Chapman, R.A. Harris, C.R. New York, Marcel Dekker. Journal of environmental science and health. Part B: Pesticides, food contaminants, and agricultural wastes. 1982. v. B17 (4). p. 355-361. ill. 17 ref. (NAL Call No.: TD172.J61).

0630

Persistence of (the herbicide) dichlobenil in a sandy soil and effects of residues on plant growth (Phytotoxic to carrots and to lettuce).
Williams, J.H. Eagle, D.J. Oxford, Blackwell Scientific Publications. Weed research. Oct 1979. v. 19 (5). p. 315-319. ill. 4 ref. (NAL Call No.: 79.8 W412).

0631

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Frank, R. Braun, H.E.; Ritcey, G.; McEwen, F.L.; Siron, G.J. College Park, Md., Entomological Society of America. Journal of economic entomology. June 1982. v. 75 (3). p. 560-565. Includes 1 p. ref. (NAL Call No.: 421 J822).

0632

Physiological effects of SC-7245 on Corn and radish (Herbicide, phytotoxicity).
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0633

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Gordts, L.A.+ Vandezande, A. Cauwenberge, P.P. van. Washington, American Chemical Society. Journal of agricultural and food chemistry. Jan/Feb 1979. v. 27 (1). p. 132-134. ill. 13 ref. (NAL Call No.: 381 J8223).

0634

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Mikucki, J.JPFC. Kozera, W.; Klein, M.; Bakuniak, E. New York : Marcel Dekker. Journal of environmental science and health. Part B. Pesticides, food contaminants, and agricultural wastes. 1983. v. 18 (4/5). p. 529-551. Includes references. (NAL Call No.: TD172.J61).

0635

Rates of sulfide oxidation in cotton, carrot, and tobacco cultured plant cells measured with a model aromatic alkyl-sulfide (Pesticides, phytotoxicity).

Blair, L.C. Slife, F.W.; Felsot, A.; Plewa, M.U. New York, N.Y. : Academic Press. Pesticide biochemistry and physiology. June 1984. Literature review. v. 21 (3). p. 291-300. ill. Includes references. (NAL Call No.: SB951.P49).

0636

Residual toxicity of fensulfothion in soil and uptake of toxic residues by rutabagas and carrots during wet and dry growing seasons.

Read, D.C. Greenhalgh, R. College Park, Md., Entomological Society of America. Journal of economic entomology. June 1981. v. 74 (3). p. 319-322. 6 ref. (NAL Call No.: 421 J822).

0637

Residues of carbofuran and its two carbamate metabolites in field-treated rutabaga (Insecticide residues).

Ragab, M.T.H.JPFC. Abdel-Kader, M.H.K.; Ivany, J.A. New York : Marcel Dekker. Journal of environmental science and health. Part B. Pesticides, food contaminants, and agricultural wastes. 1983. v. 18 (2). p. 301-304. Includes references. (NAL Call No.: TD172.J61).

0638

The response of seedling onions to fluazifop-butyl and bromoxynil.

WSWPA. Colwell, S.G. Reno : The Society. Proceedings - Western Society of Weed Science. 1984. v. 37. p. 161. (NAL Call No.: DNAL 79.9 W52).

0639

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Johnson, J.R. Hopen, H.J. Champaign : Weed Science Society of America. Weed science. Mar 1984. v. 32 (2). p. 168-173. ill. Includes references. (NAL Call No.: 79.8 W41).

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PLPHA. Nafziger, E.D. Widholm, J.M.; Steinrucken, H.C.; Killmer, J.L. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. Nov 1984. v. 76 (3). p. 571-574. ill. Includes 19 references. (NAL Call No.: DNAL 450 P692).

0641

Simultaneous extraction and analysis of trifluralin and nitrofen residues in crucifers (kohlrabi, radish, rutabaga, turnip, vegetables).

Yu, T.C. Johnson, E.R. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Nov/Dec 1979. v. 27 (6). p. 1413-1414. ill. 4 ref. (NAL Call No.: 381 J8223).

0642

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PLPHA. Ali, A. Buerst, E.P.; Arntzen, C.J.; Machado, V.S. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. Feb 1986. v. 80 (2). p. 511-514. Includes 26 references. (NAL Call No.: DNAL 450 P692).

0643

Time course of induction of cytochrome P-450 NADPH-cytochrome c reductase, and cinnamic acid hydroxylase by phenobarbital, ethanol, herbicides, and manganese in higher plant microsomes (Jerusalem artichokes).

Reichhart, D. Salaun, J.P.; Benveniste, I.; Durst, F. Rockville, Md., American Society of Plant Physiologists. Plant physiology. Oct 1980. v. 66 (4). p. 600-604. ill. 27 ref. (NAL Call No.: 450 P692).

(PESTICIDES - GENERAL)

0644

Turnip green, cucumber, snapbean, and southern pea response to pesticides in intensive-cropping sequences (Fatty acid contents and percent total nitrogen, residues, quality).

Wilkinson, R.E. Glaze, N.C. Washington, American Chemical Society. Journal of agricultural and food chemistry. July/Aug 1979. v. 27 (4). p. 900-905. 111. 12 ref. (NAL Call No.: 381 J8223).

carrots, cucumbers, lettuce, onions, snap beans, sweet corn, tomatoes, and watermelons. Nearly 1.1 million acre-treatments were made ranging from about 284,000 for onions to 4,000 for cucumbers and snap beans. ERS staff report - U.S. Dept. of Agriculture, Economic Research Service. Dec 1981. Available from NTIS - order no. PB82-166-885. Dec 1981. (AGES811221). 45 p. 7 ref. (NAL Call No.: 916762(AGE)).

0645

1979 pesticide use on vegetables in the Northeast, a preliminary report.

Ferguson, W.L. McCalla, I.E. Washington, D.C., The Service. Extract: According to the U.S. Department of Agriculture's 1979 Vegetable Pesticide Survey, approximately 1.3 million pounds of pesticides were used to control weeds, insects, diseases and nematodes on 10 vegetable crops in New York and New Jersey. The 10 vegetable crops include cabbage, carrots, celery, cucumbers, green peas, lettuce, onions, snap beans, sweet corn, and tomatoes. Approximately 825,000 acre-treatments were made ranging from 262,000 for sweet corn to 700 for carrots. ERS staff report - U.S. Dept. of Agriculture, Economic Research Service. Dec 1981. Available from NTIS. Dec 1981. (AGES811218). 37 ref. 7 ref. (NAL Call No.: 916762(AGE)).

0646

1979 pesticide use on vegetables in the Northwest, a preliminary report.

Kuntz, B.T. Ferguson, W.L. Washington, D.C., The Service. Extract: According to a 1979 Vegetable Pesticide Survey, nearly 1.3 million pounds of pesticides were used to control weeds, insects, fungi, and nematodes on seven vegetable crops in Idaho, Oregon, and Washington. The seven vegetable crops included cabbage, carrots, green peas, lettuce, onions, snap beans, and sweet corn. Approximately 671,000 acre-treatments were made ranging from 255,000 for sweet corn to 1,800 for cabbage. ERS staff report - United States Dept. of Agriculture, Economic Research Service. Mar 1982. Available from NTIS. Mar 1982. (AGES820305). 32 p. 4 ref. (NAL Call No.: 916762(AGE)).

0647

1979 pesticide use on vegetables in the Southwest, a preliminary report.

Ferguson, W.L. McCalla, I.E. Washington, D.C., The Service. Abstract: According to U.S. Department of Agriculture's 1979 Vegetable Pesticide Survey, about 1.7 million pounds of pesticides were used to control weeds, insects, diseases, and nematodes on 10 vegetable crops in Arizona, Colorado, and Texas. The 10 vegetable crops included cabbage, cantaloups,

SOIL SCIENCE

0648

Determination of disulfoton and permethrin residues (by gas chromatography) in an organic soil and their translocation into lettuce, onion and carrot.

Belanger, A. Hamilton, H.A. New York, Marcel Dekker. Journal of environmental science and health. Part B: Pesticides, food contaminants, and agricultural wastes. 1979. v. 14 (2). p. 213-226. ill. 7 ref. (NAL Call No.: TD172.J61).

0649

Soil impedance as a factor reducing crop (carrot, onion and sugarbeet, broccoli) seedling emergence, and its relation to soil conditions at sowing, and to applied water.

Hegarty, T.W. Royle, S.M. Oxford. Journal of applied ecology. Dec 1978. v. 15 (3). p. 897-904. ill. 9 ref. (NAL Call No.: 410 J828).

0650

Wet-sieving floatation technique for isolation of sclerotia of *Sclerotium cepivorum* from muck soil (White rot pathogen, onions).

Utkhede, R.S. Rahe, J.E. St. Paul, American Phytopathological Society. Phytopathology. Mar 1979. v. 69 (3). p. 295-297. ill. 8 ref. (NAL Call No.: 464.8 P56).

SOIL BIOLOGY

0651

The effect of fonofos and carbofuran on microbiological population, and persistence of fonofos in four organic soils infested with onion maggot (*Hylemya antiqua*).

Belanger, A. Mathur, S.P.; Martel, P. New York, Marcel Dekker. Journal of environmental science and health. Part B: Pesticides, food contaminants, and agricultural wastes. 1982. v. 17 (2). p. 171-182. Includes 14 ref. (NAL Call No.: TD172.J61).

SOIL CHEMISTRY AND PHYSICS

0652

Effects of selected insecticides and herbicides on free sugar contents of carrots.

Rouchaud, J. JAFCA. Moons, C.; Meyer, J.A. Washington : American Chemical Society. Journal of agricultural and food chemistry. Mar/Apr 1983. v. 31 (2). p. 206-210. Includes references. (NAL Call No.: 381 J8223).

0653

Extractable and bound (nonextractable) residues of (the herbicide) prometryn and its metabolites in an organic soil (Includes uptake by carrots).

Khan, S.U. Hamilton, H.A. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Jan/Feb 1980. v. 28 (1). p. 126-132. ill. 22 ref. (NAL Call No.: 381 J8223).

0654

Persistence of isofenphos and isazophos in a mineral and an organic soil (Insecticides, radishes and carrots as indicator crops).

Chapman, R.A. Harris, C.R. New York, Marcel Dekker. Journal of environmental science and health. Part B. Pesticides, food contaminants, and agricultural wastes. 1982. v. B17 (4). p. 355-361. ill. 17 ref. (NAL Call No.: TD172.J61).

SOIL FERTILITY - FERTILIZERS

0655

Effect of peat: vermiculite mixes containing *Trichoderma harzianum* on increased growth response of radish.

JOSHB. Paulitz, T. Windham, M.; Baker, R. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Sept 1986. v. 111 (5). p. 810-814. Includes references. (NAL Call No.: DNAL 81 S012).

0656

Effects of calcium and nitrogen fertilizers, fungicides, and tillage practices on incidence of *Sclerotium rolfsii* on processing carrots.

PLDRA. Punja, Z.K. Carter, J.D.; Campbell, G.M.; Rossell, E.L. St. Paul, Minn. : American Phytopathological Society. Plant disease. Sept 1986. v. 70 (9). p. 819-824. ill. Includes 29 references. (NAL Call No.: DNAL 1.9 P69P).

0658

Evaluation of controlled release nitrogen fertilizers on cabbage and onions.

Wiedenfeld, R.P. Weslaco, Tex., The Society. Journal of the Rio Grande Valley Horticultural Society. 1980. v. 34. p. 81-87. 3 ref. (NAL Call No.: 81 L95).

0657

Evaluation of controlled release nitrogen fertilizers on cabbage and onions.

Wiedenfeld, R.P. Weslaco, Tex., The Society. Journal of the Rio Grande Valley Horticultural Society. 1980. v. 34. p. 81-87. 3 ref. (NAL Call No.: 81 L95).

0659

Growth and cadmium uptake by lettuce and radish fertilized with cadmium, zinc, and sewage sludge.

Hortenstine, C.C. n.p., The Society. Proceedings - Soil and Crop Science Society of Florida. 1980. v. 39. p. 58-62. 12 ref. (NAL Call No.: 56.9 S032).

0660

Influence of fertilizer on *Alternaria* leaf blight and yield of carrots grown in muck (*Alternaria dauci*).

White, J.M. Strandberg, J.O.; Brown, R.L. (S.I.) : The Society. Proceedings - Soil and Crop Science Society of Florida. 1983. v. 42. p. 153-157. Includes references. (NAL Call No.: 56.9 S032).

0661

Plant contamination by PCBs from amended soils (Beets, *Beta vulgaris*, turnips, *Brassica rapa*, and beans, *Phaseolus vulgaris*).

Sawhney, B.L. Hankin, L. Ames : International Association of Milk, Food, and Environmental Sanitarians. Journal of food protection. Mar 1984. v. 47 (3). p. 232-236. Includes references. (NAL Call No.: 44.8 J824).

0662

Residual effect of boron applied to rutabaga on subsequent cereal crops.

Gupta, U.C. Cutcliffe, J.A. Baltimore, Williams & Wilkins. Soil science. Mar 1982. v. 133 (3). p. 155-159. Includes 14 ref. (NAL Call No.: 56.8 S03).

0663

Table beet responses to residual and band-applied phosphorus and potassium.

Peck, N.H. MacDonald, G.E. Madison, Wis., American Society of Agronomy. Agronomy journal. Nov/Dec 1981. v. 73 (6). p. 1037-1041. Bibliography p. 1040-1041. (NAL Call No.: 4 AM34P).

0664

Uptake of zinc by *Raphanus sativus* L. (radish) from soils amended with sludge or Zn-EDTA (Testing potential toxicity buildup).

Mascianica, M.P. Barker, A.V. New York, Marcel Dekker. Communications in soil science and plant analysis. 1979. v. 10 (11). p. 1435-1449. ill. 16 ref. (NAL Call No.: S590.C63).

SOIL CULTIVATION

0665

Effects of calcium and nitrogen fertilizers, fungicides, and tillage practices on incidence of *Sclerotium rolfsii* on processing carrots.

PLDRA. Punja, Z.K. Carter, J.D.; Campbell, G.M.; Rossell, E.L. St. Paul, Minn. : American Phytopathological Society. Plant disease. Sept 1986. v. 70 (9). p. 819-824. ill. Includes 29 references. (NAL Call No.: DNAL 1.9 P69P).

0666

Effects of no-tillage and herbicides on carrot and onion seed production.

Campbell, W.F. Anderson, J.L. Alexandria, Va., American Society for Horticultural Science. HortScience. Oct 1980. v. 15 (5). p. 662-664. ill. 6 ref. (NAL Call No.: SB1.H6).

ENTOMOLOGY RELATED

0667

Behavioral responses of male turnip moths, *Agrotis segetum*, to sex pheromone in a flight tunnel and in the field.
JCECD. Lofstedt, C. Linn, C.E. Jr.; Lofqvist, J. New York, N.Y. : Plenum Press. Journal of chemical ecology. Sept 1985. v. 11 (9). p. 1209-1221. Includes references. (NAL Call No.: DNAL QD415.A1J6).

0668

Biology of a carrot weevil, *Listronotus texanus* (Coleoptera: Curculionidae): range and seasonality of infestations.
JEENAI. Edelson, J.V. College Park, Md. : Entomological Society of America. Journal of economic entomology. Aug 1985. v. 78 (4). p. 895-897. ill. Includes references. (NAL Call No.: DNAL 421 J822).

0669

Constraints on chemical coevolution: wild parsnips and the parsnip webworm.
EVOLA. Berenbaum, M.R. Zangerl, A.R.; Nitao, J.K. Lawrence, Kan. : Society for the Study of Evolution. Evolution. Nov 1986. v. 40 (6). p. 1215-1228. Includes references. (NAL Call No.: DNAL 443.8 EV62).

0670

Control of the onion thrips /F.H. Chittenden.
Chittenden, F. H. 1858-1929. Washington, D.C. : U.S. Dept. of Agriculture, 1919. Cover title.~ "Contribution from the Bureau of Entomology.". 16 p. : ill. ; 23 cm. (NAL Call No.: DNAL 1 Ag84F no.1007).

0671

The first record of the palearctic species *Anotylus insecatus* (Gravenhorst) (Coleoptera: Staphylinidae) from North America (Predator of the onion maggot, *Hylemya antiqua*).
Campbell, J.M.COBLA. Tomlin, A.D. Washington : Coleopterists Society. The Coleopterists' bulletin. Dec 1983. v. 37 (4). p. 309-313. ill. Includes references. (NAL Call No.: 421 C674).

0672

Phenology of egg hatching for the red turnip beetle, *Entomoscelis americana* (Coleoptera: Chrysomelidae).
Gerber, G.H.EVETB. Lamb, R.J. College Park : Entomological Society of America. Environmental entomology. Dec 1982. v. 11 (6). p. 1258-1263. Includes references. (NAL Call No.: QL461.E532).

0673

Plant-derived synergists of alarm pheromone from turnip aphid, *Lipaphis* (*Hyadaphis*) *erysimi* (Homoptera, Aphididae).
JCECD. Dawson, G.W. Griffiths, D.C.; Pickett, J.A.; Wadhams, L.J.; Woodcock, C.M. New York, N.Y. : Plenum Press. Journal of chemical ecology. July 1987. v. 13 (7). p. 1663-1671. Includes references. (NAL Call No.: DNAL QD415.A1J6).

0674

Seasonal activity and geographical distribution of the carrot rust fly (Diptera: Psilidae) in western Washington (*Psila rosae*).
Getzin, L.W.JEENA. College Park : Entomological Society of America. Journal of economic entomology. Dec 1982. v. 75 (6). p. 1029-1033. map. 8 ref. (NAL Call No.: 421 J822).

0675

Sex pheromone components of the turnip moth, *Agrotis segetum*: chemical identification, electrophysiological evaluation and behavioral activity.
Lofstedt, C.JCECD. Pers, J.N.C. Van Der; Lofqvist, J.; Lanne, B.S.; Appelgren, M.; Bergstrom, G.; Thelin, B. New York : Plenum Press. Journal of chemical ecology. Oct 1982. v. 8 (10). p. 1305-1321. ill. 2 p. ref. (NAL Call No.: QD415.A1J6).

0676

The turnip aphid in the Southern states and methods for its control /by Norman Allen and P.K. Harrison.
Allen, Norman, 1900-. Harrison, P. K. 1891-. Washington, D.C. : U.S. Dept. of Agriculture, 1941. Cover title.~ "Contribution of the Bureau of Entomology and Plant Quarantine.". 10 p. : ill. ; 23 cm. (NAL Call No.: DNAL 1 Ag84F no.1863).

0677

The turnip aphid in the southern states and methods for its control by Norman Allen and P.K. Harrison . --.
Allen, Norman. Washington, D.C. : U.S. Dept. of Agriculture, 1941. ii, 10 p. : ill. --. (NAL Call No.: DNAL Fiche S-70 no.1863).

APICULTURE RELATED

0678

Effects of dimethoate (systemic insecticide) on honey bee (*Apis mellifera*) colonies (Onion, nectar contamination, toxicity).

Waller, G.D. Barker, R.J. College Park, Md., Entomological Society of America. Journal of economic entomology. Aug 15, 1979. v. 72 (4). p. 549-551. ill. 10 ref. (NAL Call No.: 421 J822).

ANIMAL GENETICS

0679

**Constraints on chemical coevolution: wild
parsnips and the parsnip webworm.**

EVOLA. Berenbaum, M.R. Zangerl, A.R.; Nitao,
J.K. Lawrence, Kan. : Society for the Study of
Evolution. Evolution. Nov 1986. v. 40 (6). p.
1215-1228. Includes references. (NAL Call No.:
DNAL 443.8 EV62).

ANIMAL ECOLOGY

0680

Call No.: QD415.A1J6).

Behavioral responses of male turnip moths, *Agrotis segetum*, to sex pheromone in a flight tunnel and in the field.

JCECD. Lofstedt, C. Linn, C.E. Jr.; Lofqvist, J. New York, N.Y. : Plenum Press. Journal of chemical ecology. Sept 1985. v. 11 (9). p. 1209-1221. Includes references. (NAL Call No.: DNAL QD415.A1J6).

0681

Biology of a carrot weevil, *Listronotus texanus* (Coleoptera: Curculionidae): range and seasonality of infestations.

JEENAI. Edelson, J.V. College Park, Md. : Entomological Society of America. Journal of economic entomology. Aug 1985. v. 78 (4). p. 895-897. ill. Includes references. (NAL Call No.: DNAL 421 J822).

0682

Numerical responses of *Murgantia histrionica* to concentrations of its host plant (Turnip stink bug, oviposition).

McLain, D.K. Athens, Ga., The Society. Journal of the Georgia Entomological Society. Apr 1981. v. 16 (2). p. 257-260. ill. 5 ref. (NAL Call No.: QL461.G4).

0683

Phenology of egg hatching for the red turnip beetle, *Entomoscelis americana* (Coleoptera: Chrysomelidae).

Gerber, G.H.EVETB. Lamp, R.J. College Park : Entomological Society of America. Environmental entomology. Dec 1982. v. 11 (6). p. 1258-1263. Includes references. (NAL Call No.: QL461.E532).

0684

Seasonal activity and geographical distribution of the carrot rust fly (Diptera: Psilidae) in western Washington (*Psila rosae*).

Getzin, L.W.JEENA. College Park : Entomological Society of America. Journal of economic entomology. Dec 1982. v. 75 (6). p. 1029-1033. map. 8 ref. (NAL Call No.: 421 J822).

0685

Sex pheromone components of the turnip moth, *Agrotis segetum*: chemical identification, electrophysiological evaluation and behavioral activity.

Lofstedt, C.JCECD. Pers, J.N.C. Van Der; Lofqvist, J.; Lanne, B.S.; Appelgren, M.; Bergstrom, G.; Thelin, B. New York : Plenum Press. Journal of chemical ecology. Oct 1982. v. 8 (10). p. 1305-1321. ill. 2 p. ref. (NAL

ANIMAL STRUCTURE

0686

The onion plant bug genus *Labopidicola*
(Hemiptera: Miridae): economic implications,
taxonomic review, and description of a new
species (Morphology, pest potential, Texas).
Henry, T.J. Washington, D.C., The Society.
Proceedings - Entomological Society of
Washington. Jan 1982. v. 84 (1). p. 1-15. ill.
2 p. ref. (NAL Call No.: 420 W27).

ANIMAL PHYSIOLOGY AND BIOCHEMISTRY

0687

Plant-derived synergists of alarm pheromone
from turnip aphid, *Lipaphis* (*Hyadaphis*) *erysimi*
(Homoptera, Aphididae).

JCECD. Dawson, G.W. Griffiths, D.C.; Pickett,
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0730

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Factors affecting antifungal activity of onion extractives against aflatoxin-producing fungi (*Aspergillus parasiticus*).

Sharma, A. Padwal-Desai, S.R.; Tewari, G.M.; Bandyopadhyay, C. Chicago, Institute of Food Technologists. Journal of food science. May/June 1981. v. 46 (3). p. 741-744. ill. 22 ref. (NAL Call No.: 389.8 F7322).

HUMAN NUTRITION

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0737

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Glenn, S. College Park : The Center. Technical report - Maryland, University, Water Resources Research Center. Aug 1983. Aug 1983. (76). 14 p. Includes references. (NAL Call No.: TD423.A1M3).

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0741

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Ragab, M.T.H.JPFCD. Abdel-Kader, M.H.K.; Ivany, J.A. New York : Marcel Dekker. Journal of environmental science and health. Part B. Pesticides, food contaminants, and agricultural wastes. 1983. v. 18 (2). p. 301-304. Includes references. (NAL Call No.: TD172.J61).

0742

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Reinert, R.A. Gray, T.N. Madison, Wis., American Society of Agronomy. Journal of environmental quality. Apr/June 1981. v. 10 (2). p. 240-243. 16 ref. (NAL Call No.: QH540.J6).

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0744

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HUMAN MEDICINE, HEALTH AND SAFETY

0745

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